

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF032219\
 Data File : BF113249.D
 Acq On : 22 Mar 2019 22:07
 Operator : JU/SJ
 Sample : K2034-01
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Mar 22 23:29:55 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

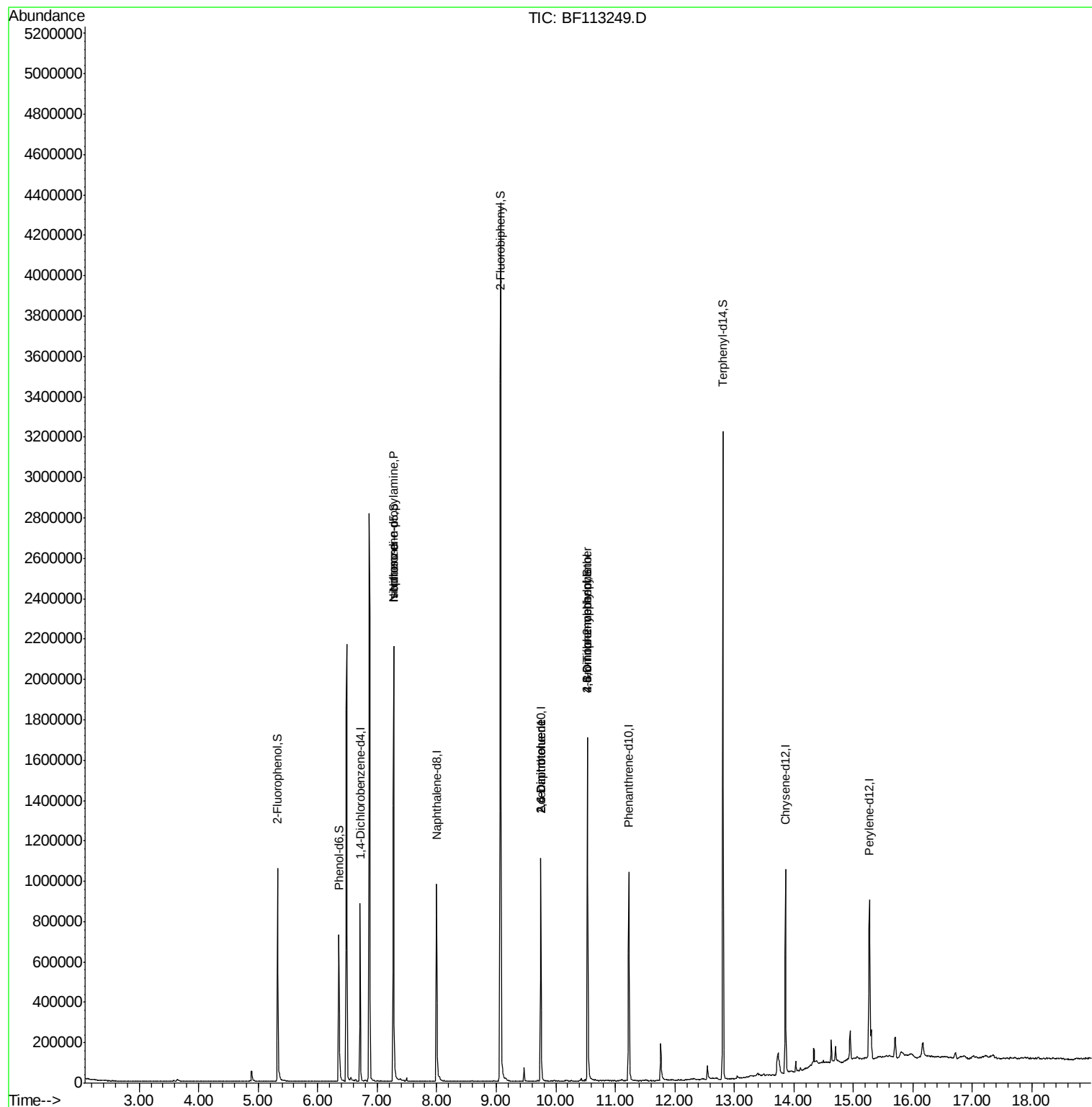
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.71	152	142606	20.00	ng	-0.02
21) Naphthalene-d8	8.00	136	516399	20.00	ng	-0.02
39) Acenaphthene-d10	9.75	164	247860	20.00	ng	-0.02
64) Phenanthrene-d10	11.23	188	419082	20.00	ng	-0.02
76) Chrysene-d12	13.86	240	376272	20.00	ng	-0.01
87) Perylene-d12	15.27	264	381122	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.33	112	325255	35.48	ng	-0.02
7) Phenol-d6	6.36	99	274690	23.85	ng	-0.02
23) Nitrobenzene-d5	7.27	82	791827	91.75	ng	-0.02
42) 2,4,6-Tribromophenol	10.53	330	244925	93.08	ng	-0.02
45) 2-Fluorobiphenyl	9.07	172	1464040	103.90	ng	-0.02
79) Terphenyl-d14	12.81	244	1116594	57.53	ng	-0.01
Target Compounds						
19) n-Nitroso-di-n-propylamine	7.27	70	102533	14.058	ng	# 75
25) Isophorone	7.27	82	780733	41.993	ng	# 66
51) 2,6-Dinitrotoluene	9.75	165	31422	8.256	ng	# 18
57) 2,4-Dinitrotoluene	9.75	165	31422	6.642	ng	# 18
65) 4,6-Dinitro-2-methylphenol	10.53	198	144	4.688	ng	# 1
67) 4-Bromophenyl-phenylether	10.53	248	13595	3.080	ng	# 1

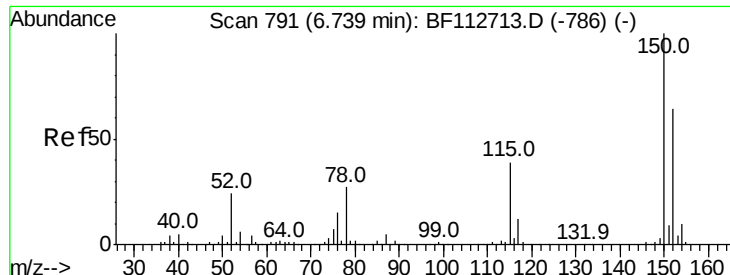
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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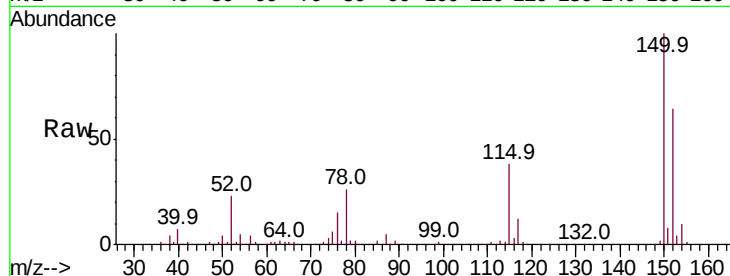


#1

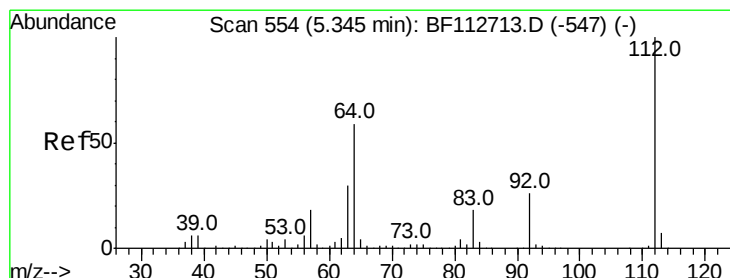
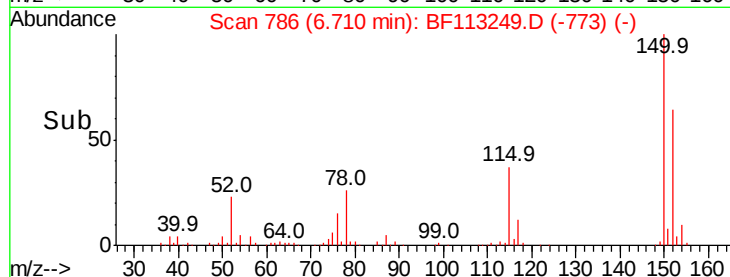
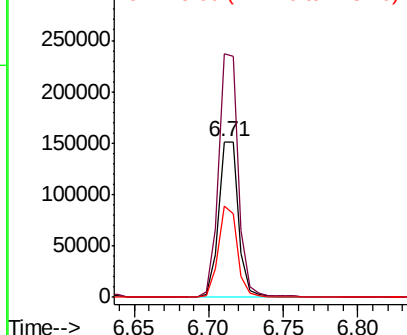
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.71 min Scan# 786
Delta R.T. -0.02 min
Lab File: BF113249.D
Acq: 22 Mar 2019 22:07

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 142606
Ion Ratio Lower Upper
152 100
150 156.4 124.2 186.2
115 58.7 48.2 72.4



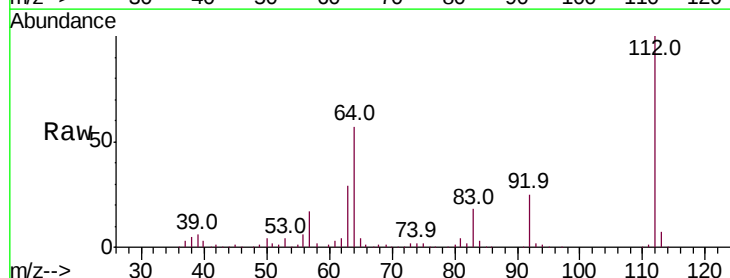
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



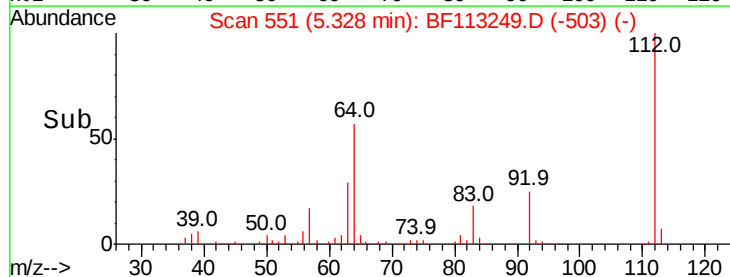
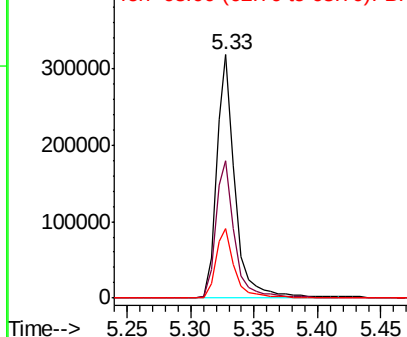
#5

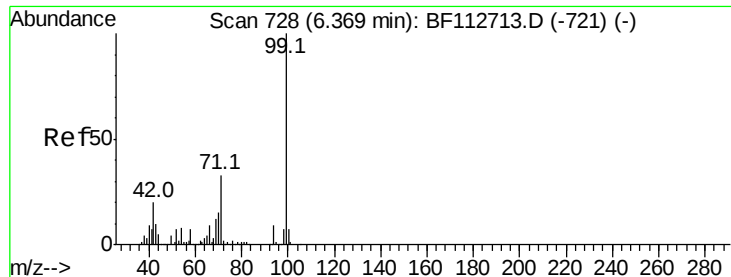
2-Fluorophenol
Concen: 35.479 ng
RT: 5.33 min Scan# 551
Delta R.T. -0.02 min
Lab File: BF113249.D
Acq: 22 Mar 2019 22:07

Tgt Ion:112 Resp: 325255
Ion Ratio Lower Upper
112 100
64 56.7 47.6 71.4
63 28.7 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: 23.853 ng

RT: 6.36 min Scan# 726

Delta R.T. -0.02 min

Lab File: BF113249.D

Acq: 22 Mar 2019 22:07

Instrument :

BNA_F

ClientSampleId :

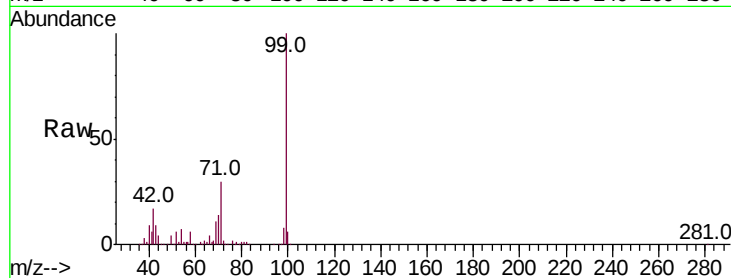
Tot Ion: 99 Resp: 274690

Ion Ratio Lower Upper

99 100

42 16.7 16.3 24.5

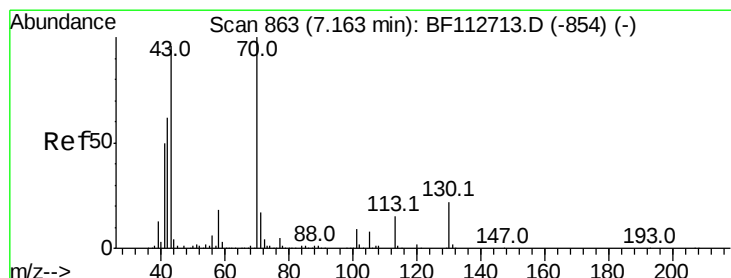
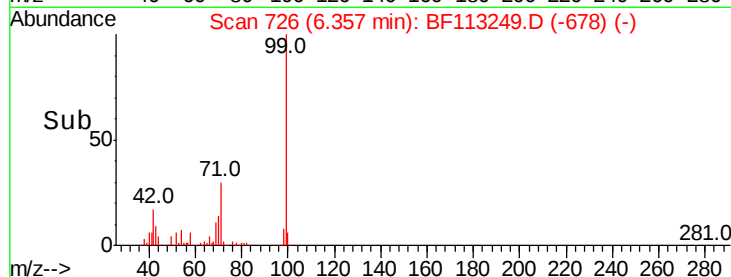
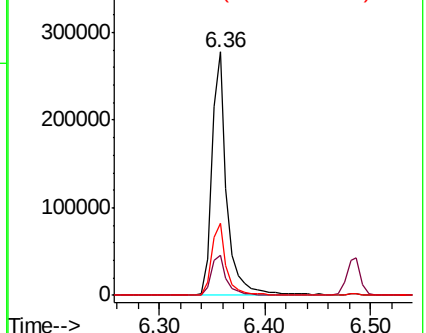
71 29.7 26.2 39.4



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: 14.058 ng

RT: 7.27 min Scan# 882

Delta R.T. 0.12 min

Lab File: BF113249.D

Acq: 22 Mar 2019 22:07

Tgt Ion: 70 Resp: 102533

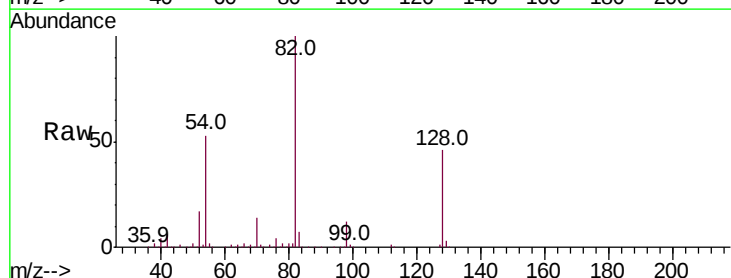
Ion Ratio Lower Upper

70 100

42 47.1 49.9 74.9#

101 0.0 7.4 11.2#

130 2.5 17.4 26.2#

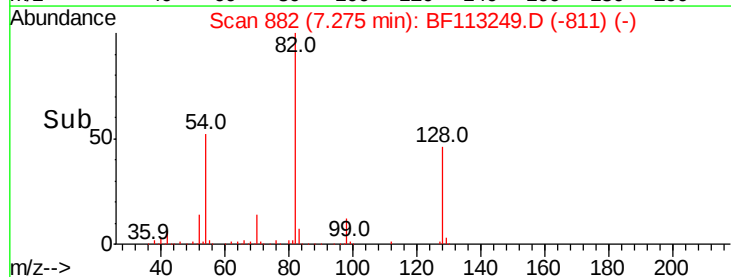
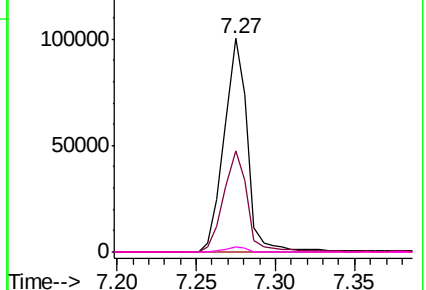


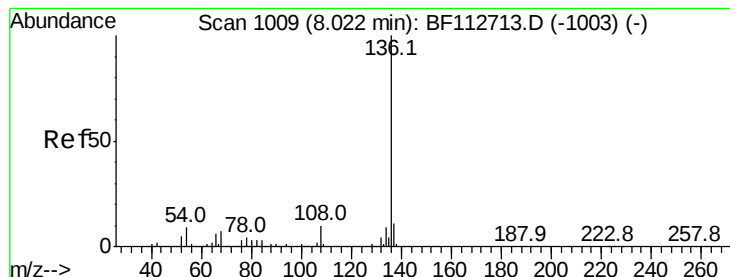
Abundance Ion 70.00 (69.70 to 70.70): BF1

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: BF113249.D

Acq: 22 Mar 2019 22:07

Instrument :

BNA_F

ClientSampleId :

Tot Ion:136 Resp: 516399

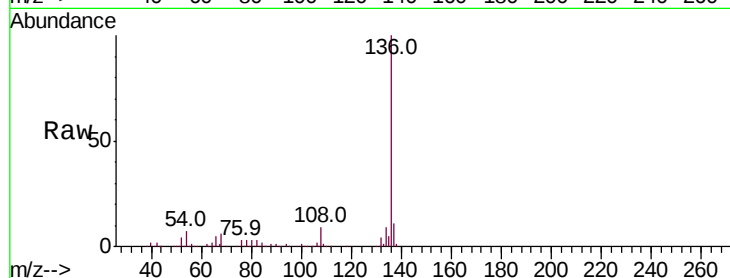
Ion Ratio Lower Upper

136 100

137 10.8 8.9 13.3

54 7.5 7.3 10.9

68 5.8 5.4 8.2

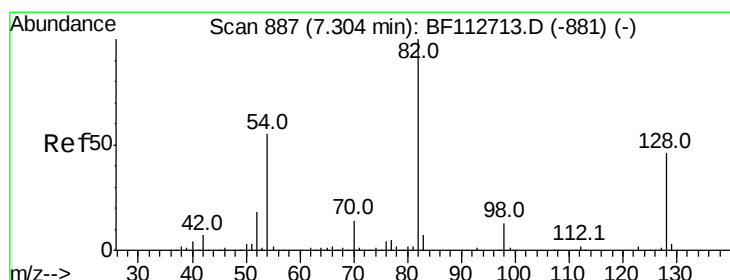
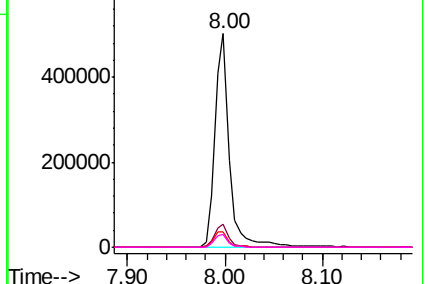
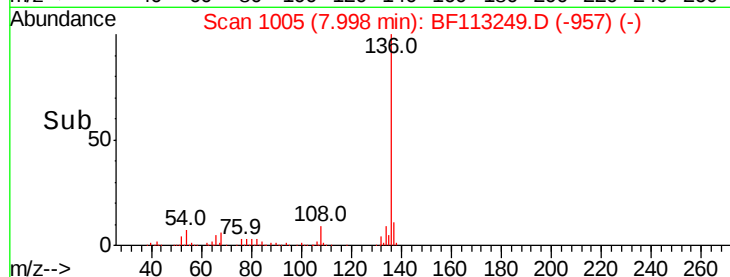


Abundance Ion 136.00 (135.70 to 136.70): E

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: 91.753 ng

RT: 7.27 min Scan# 882

Delta R.T. -0.02 min

Lab File: BF113249.D

Acq: 22 Mar 2019 22:07

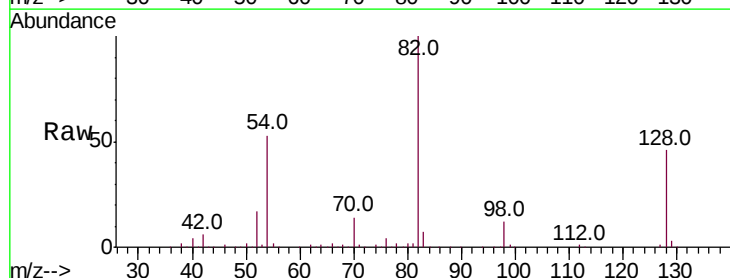
Tgt Ion: 82 Resp: 791827

Ion Ratio Lower Upper

82 100

128 46.2 36.3 54.5

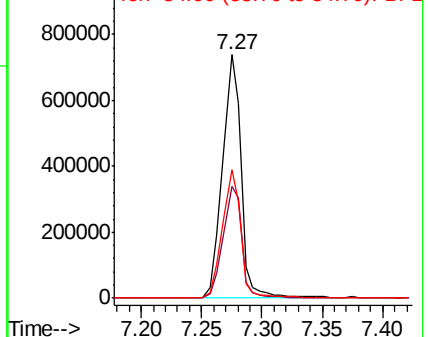
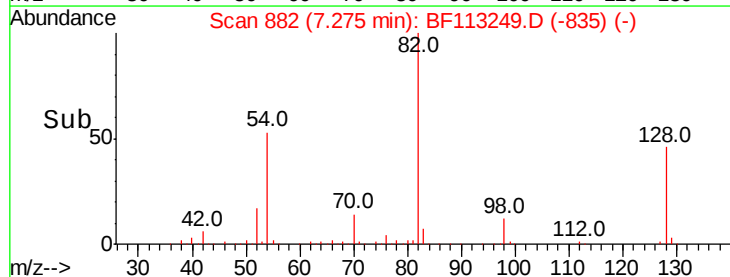
54 52.8 43.7 65.5

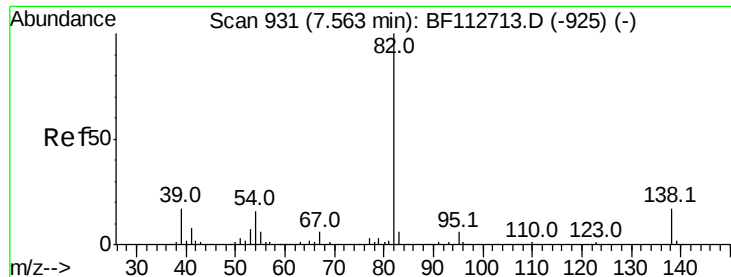


Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF1





#25

Isophorone

Concen: 41.993 ng

RT: 7.27 min Scan# 882

Delta R.T. -0.28 min

Lab File: BF113249.D

Acq: 22 Mar 2019 22:07

Instrument :

BNA_F

ClientSampled :

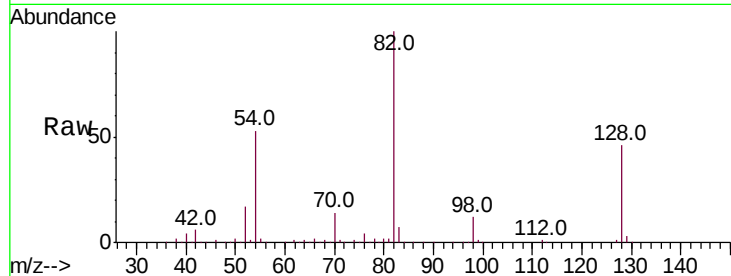
Tot Ion: 82 Resp: 780733

Ion Ratio Lower Upper

82 100

95 0.0 5.2 7.8#

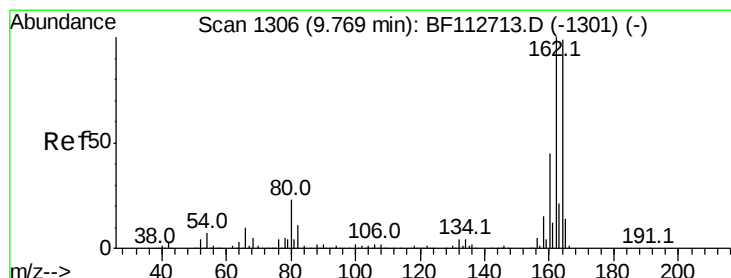
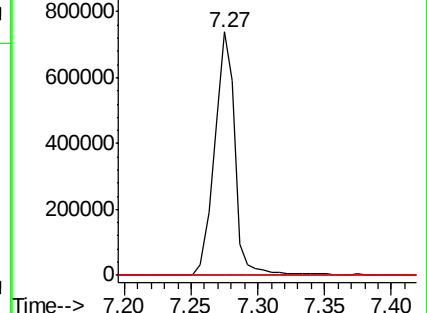
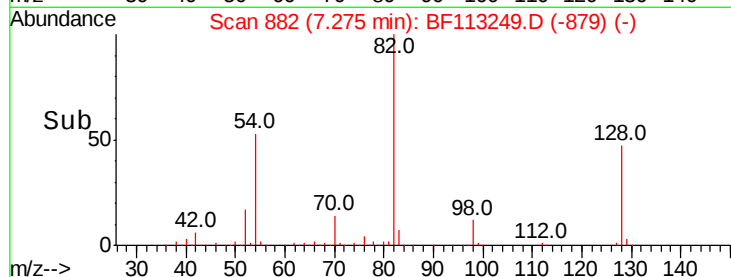
138 0.0 13.8 20.8#



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: BF113249.D

Acq: 22 Mar 2019 22:07

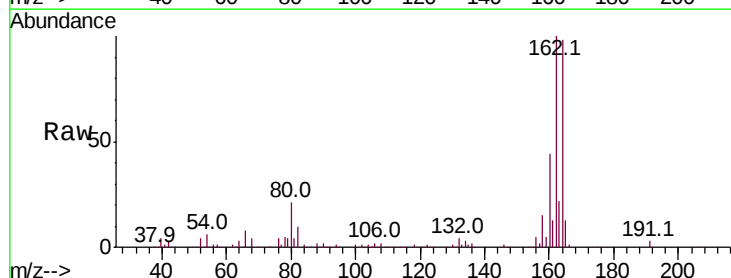
Tgt Ion:164 Resp: 247860

Ion Ratio Lower Upper

164 100

162 101.8 80.6 120.8

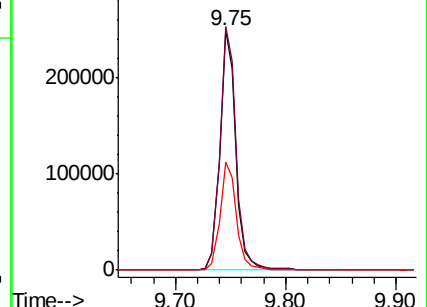
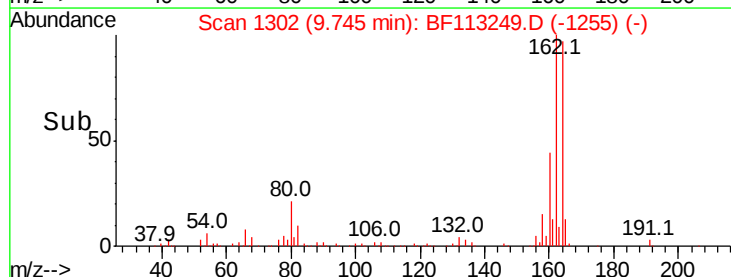
160 45.0 36.0 54.0

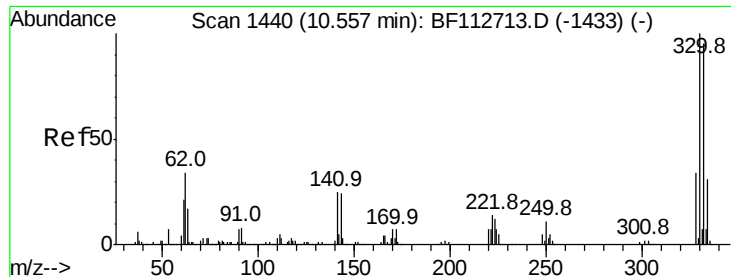


Abundance Ion 164.00 (163.70 to 164.70): BF1

Ion 162.00 (161.70 to 162.70): BF1

Ion 160.00 (159.70 to 160.70): BF1

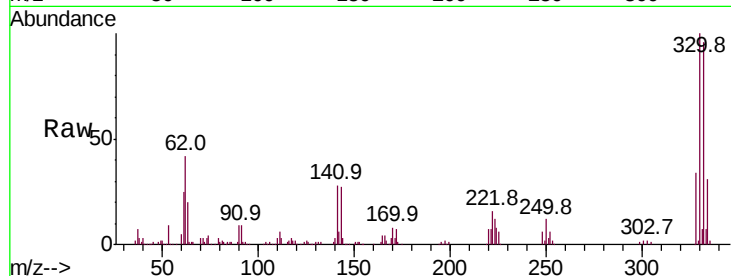




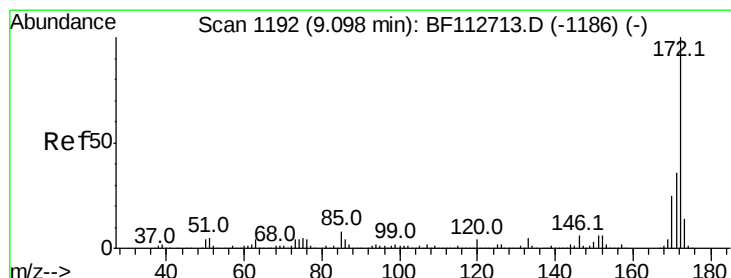
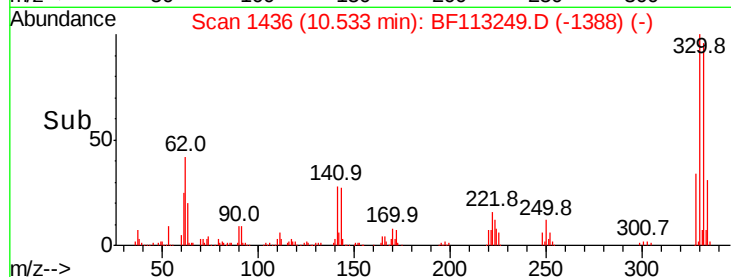
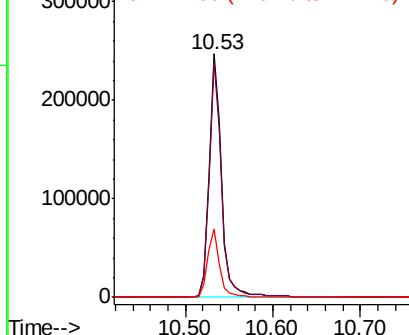
#42
 2,4,6-Tribromophenol
 Concen: 93.080 ng
 RT: 10.53 min Scan# 1436
 Delta R.T. -0.02 min
 Lab File: BF113249.D
 Acq: 22 Mar 2019 22:07

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:330 Resp: 244925
 Ion Ratio Lower Upper
 330 100
 332 95.7 76.2 114.4
 141 27.5 27.0 40.6

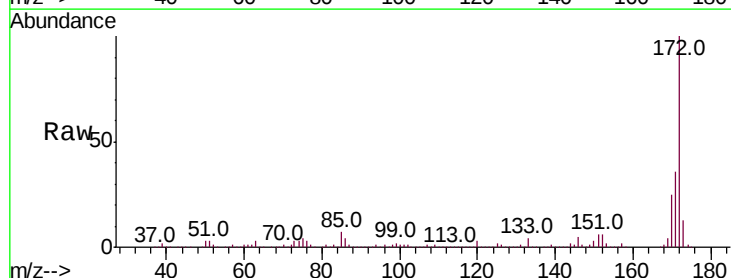


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

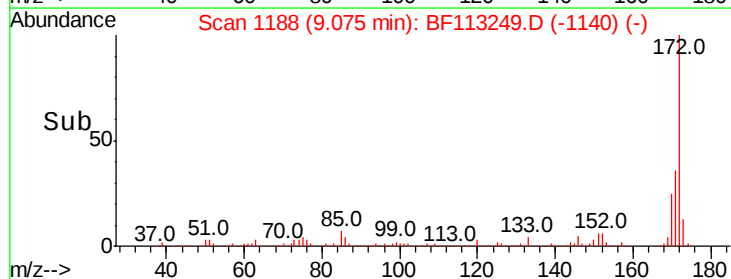
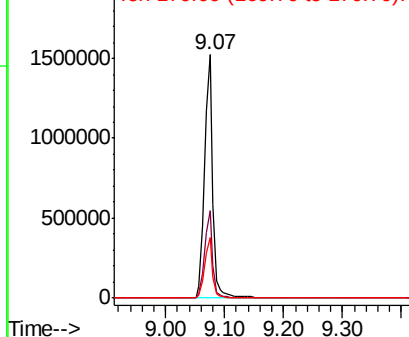


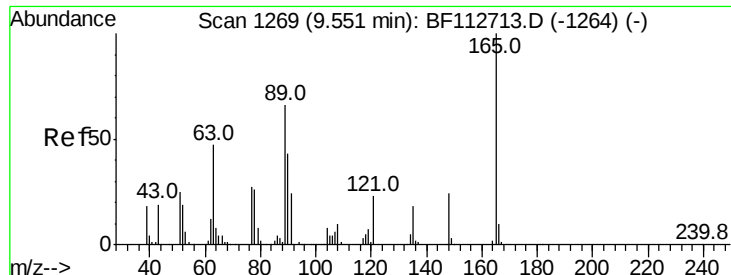
#45
 2-Fluorobiphenyl
 Concen: 103.901 ng
 RT: 9.07 min Scan# 1188
 Delta R.T. -0.02 min
 Lab File: BF113249.D
 Acq: 22 Mar 2019 22:07

Tgt Ion:172 Resp: 1464040
 Ion Ratio Lower Upper
 172 100
 171 36.0 29.0 43.4
 170 24.7 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

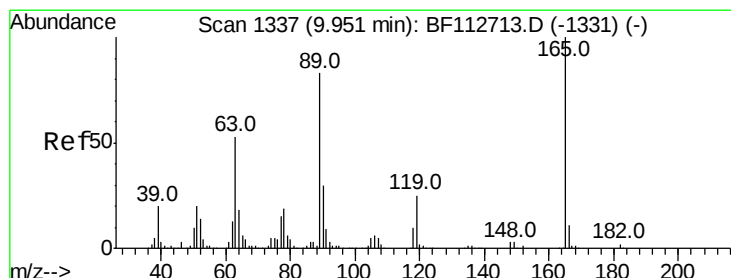
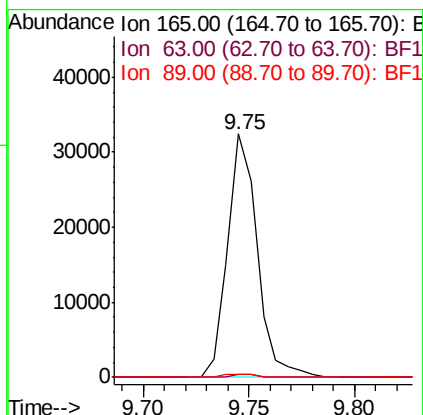
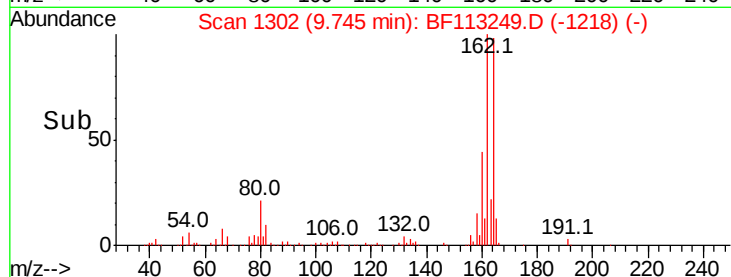
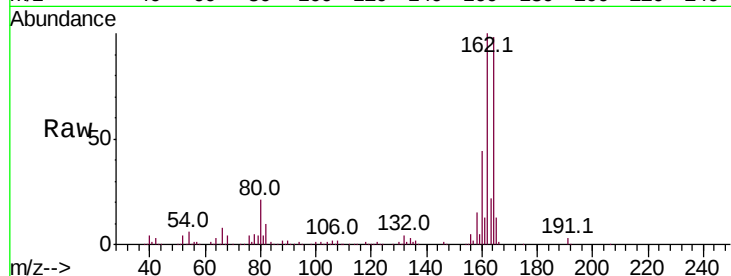




#51
 2,6-Dinitrotoluene
 Concen: 8.256 ng
 RT: 9.75 min Scan# 1302
 Delta R.T. 0.19 min
 Lab File: BF113249.D
 Acq: 22 Mar 2019 22:07

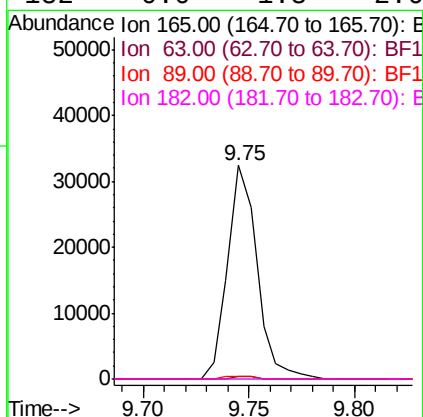
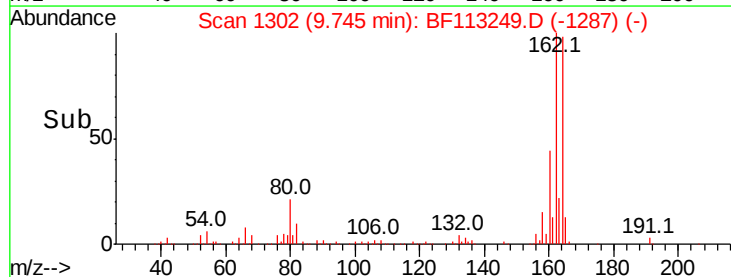
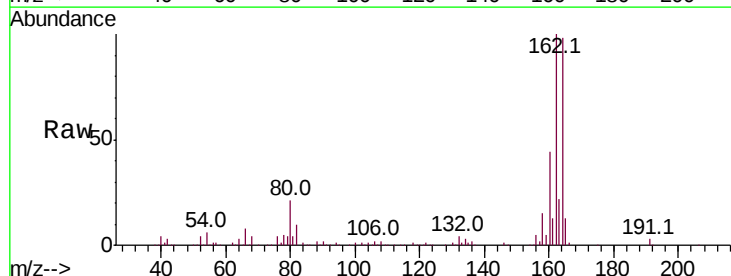
Instrument :
 BNA_F
 ClientSampleId :

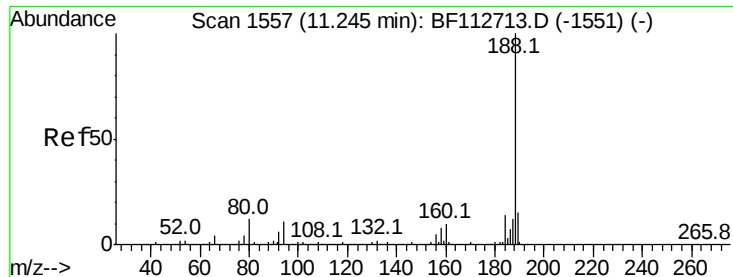
Tot Ion	Ratio	Lower	Upper
165	100		
63	1.0	54.1	81.1#
89	1.5	52.8	79.2#



#57
 2,4-Dinitrotoluene
 Concen: 6.642 ng
 RT: 9.75 min Scan# 1302
 Delta R.T. -0.21 min
 Lab File: BF113249.D
 Acq: 22 Mar 2019 22:07

Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.0	42.2	63.2#
89	1.5	66.2	99.4#
182	0.0	1.8	2.6#

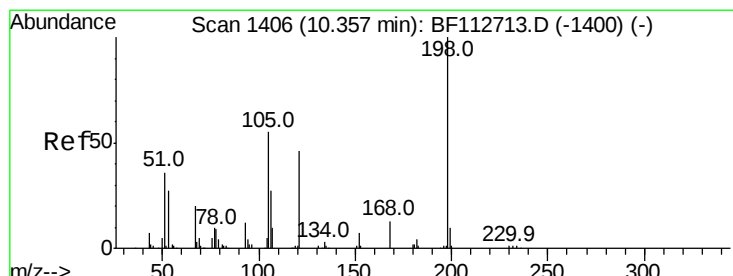
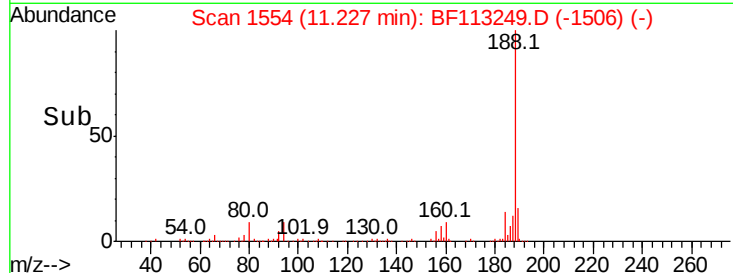
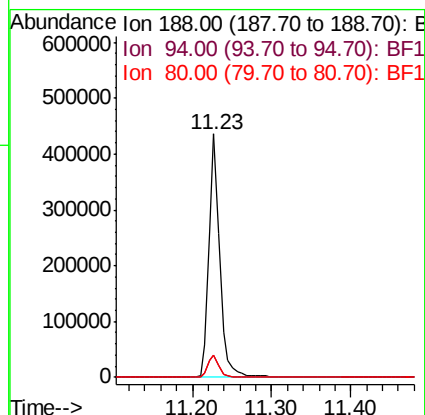
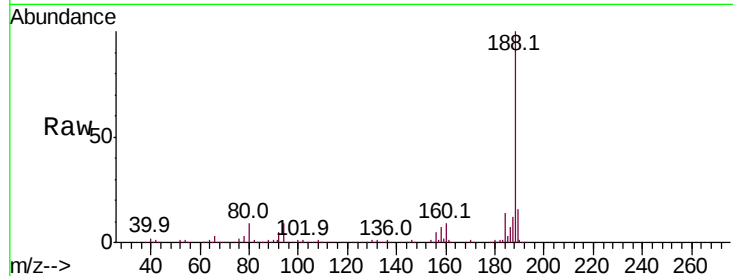




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.23 min Scan# 1554
Delta R.T. -0.02 min
Lab File: BF113249.D
Acq: 22 Mar 2019 22:07

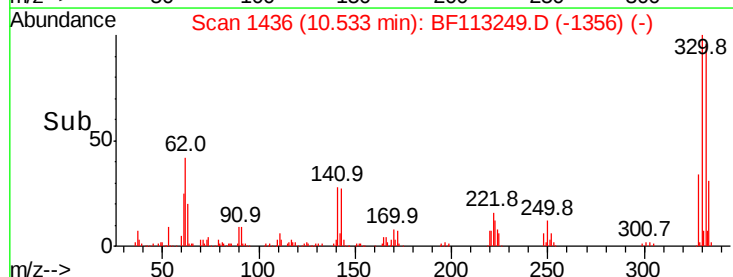
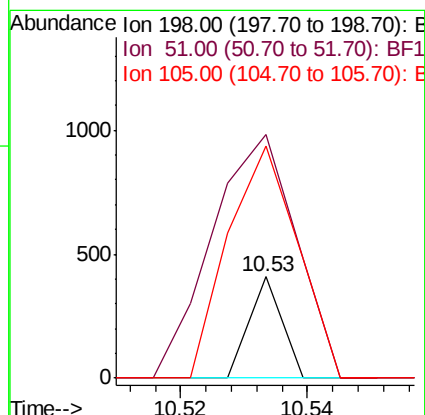
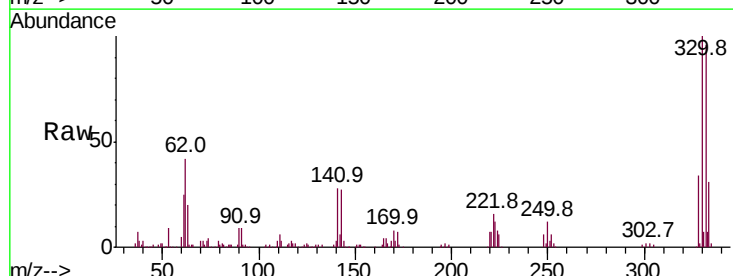
Instrument :
BNA_F
ClientSampleId :

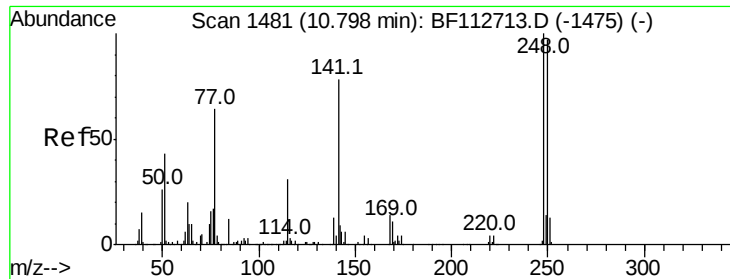
Tot Ion:188 Resp: 419082
Ion Ratio Lower Upper
188 100
94 9.0 9.0 13.4
80 9.3 9.2 13.8



#65
4,6-Dinitro-2-methylphenol
Concen: 4.688 ng
RT: 10.53 min Scan# 1436
Delta R.T. 0.17 min
Lab File: BF113249.D
Acq: 22 Mar 2019 22:07

Tgt Ion:198 Resp: 144
Ion Ratio Lower Upper
198 100
51 240.7 43.8 83.8#
105 229.9 36.5 76.5#

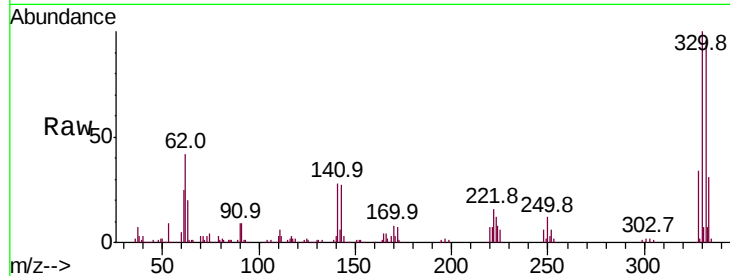




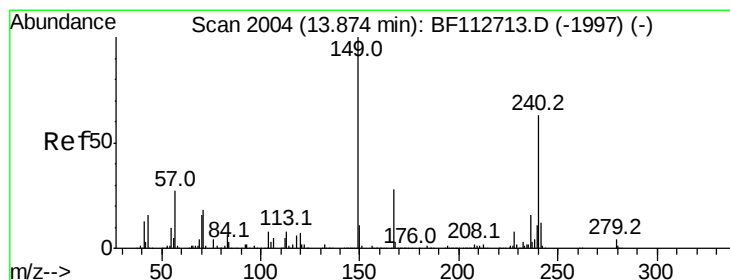
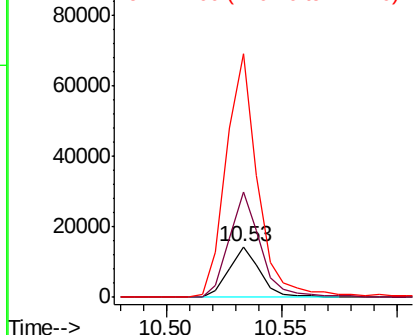
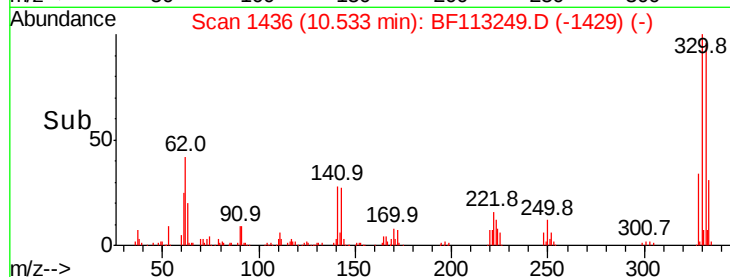
#67
4-Bromophenyl-phenylether
Concen: 3.080 ng
RT: 10.53 min Scan# 1436
Delta R.T. -0.26 min
Lab File: BF113249.D
Acq: 22 Mar 2019 22:07

Instrument :
BNA_F
ClientSampleId :

Tot Ion:248 Resp: 13595
Ion Ratio Lower Upper
248 100
250 207.0 77.5 116.3#
141 479.5 62.4 93.6#

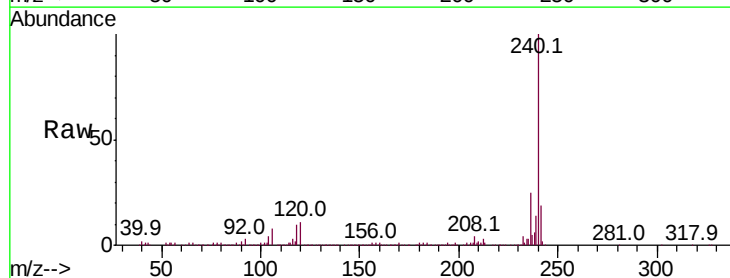


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

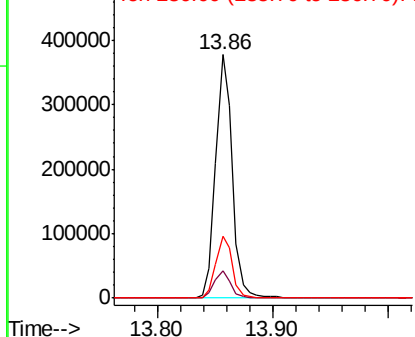
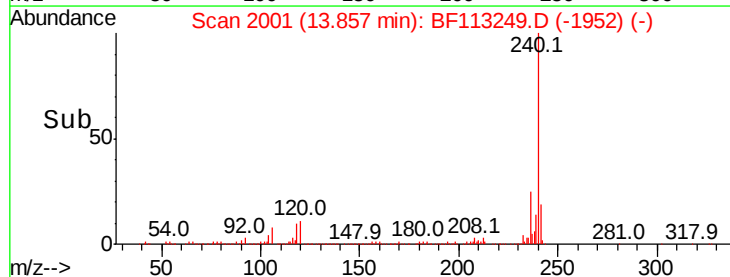


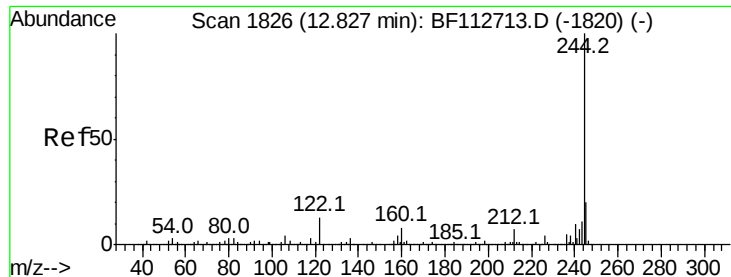
#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.86 min Scan# 2001
Delta R.T. -0.01 min
Lab File: BF113249.D
Acq: 22 Mar 2019 22:07

Tgt Ion:240 Resp: 376272
Ion Ratio Lower Upper
240 100
120 11.4 8.9 13.3
236 25.3 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: 57.525 ng

RT: 12.81 min Scan# 1823

Delta R.T. -0.01 min

Lab File: BF113249.D

Acq: 22 Mar 2019 22:07

Instrument :

BNA_F

ClientSampleId :

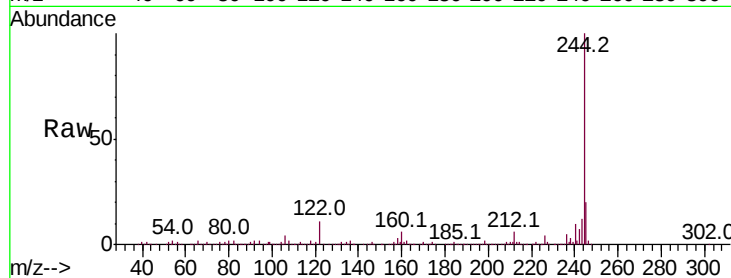
Tot Ion:244 Resp: 1116594

Ion	Ratio	Lower	Upper
244	100		
212	6.5	5.6	8.4
122	10.5	10.5	15.7

244 100

212 6.5 5.6 8.4

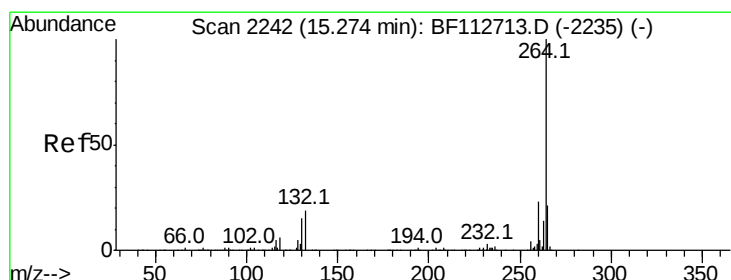
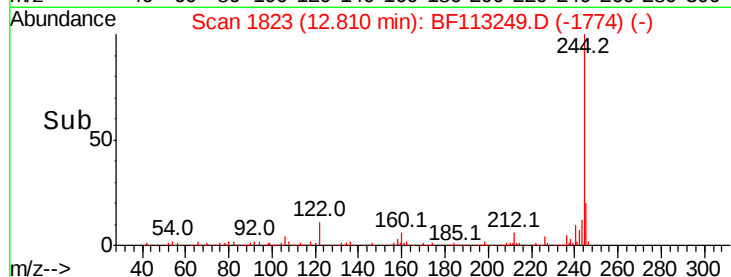
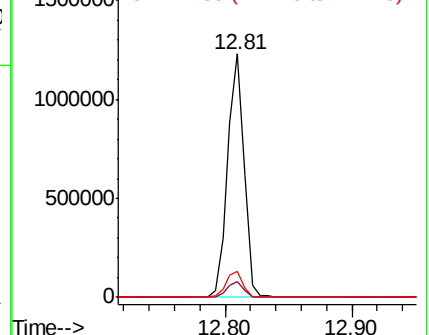
122 10.5 10.5 15.7



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: 15.27 min Scan# 2241

Delta R.T. -0.01 min

Lab File: BF113249.D

Acq: 22 Mar 2019 22:07

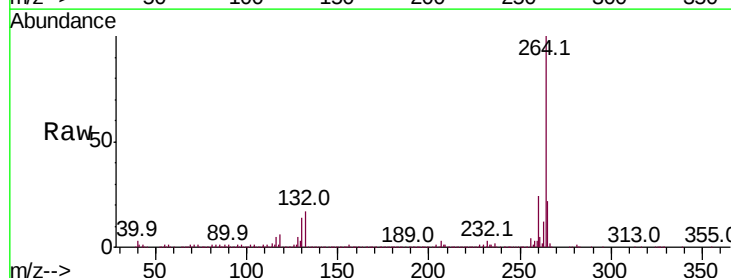
Tgt Ion:264 Resp: 381122

Ion	Ratio	Lower	Upper
264	100		
260	24.0	18.7	28.1
265	21.8	17.2	25.8

264 100

260 24.0 18.7 28.1

265 21.8 17.2 25.8



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

