

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF032019\
 Data File : BF113197.D
 Acq On : 21 Mar 2019 4:52
 Operator : JU/SJ
 Sample : K1943-20
 Misc :
 ALS Vial : 34 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Mar 21 12:25:42 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF022719.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Mar 21 12:13:22 2019
 Response via : Initial Calibration

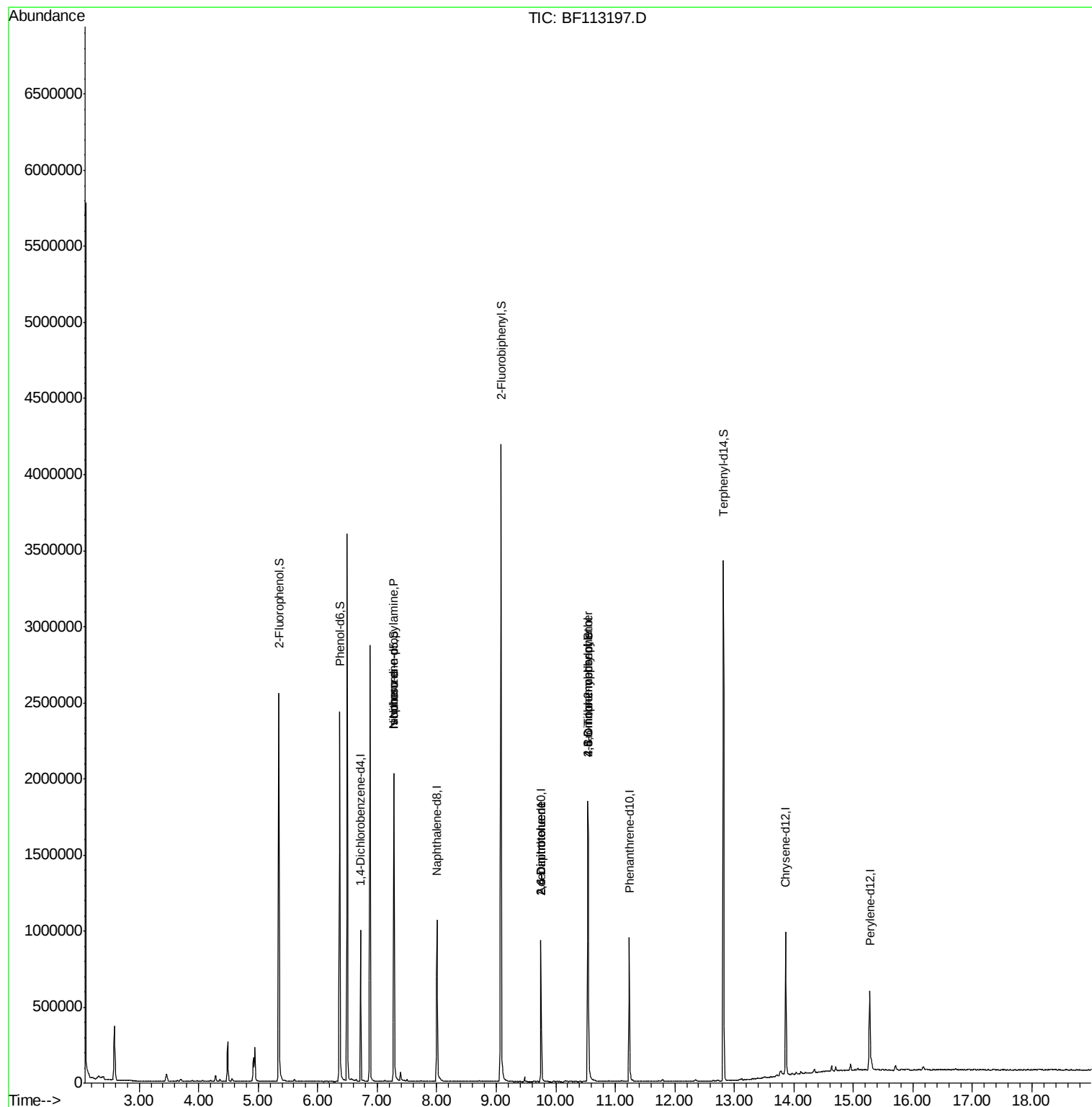
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.72	152	140243	20.00	ng	0.00
21) Naphthalene-d8	8.00	136	527371	20.00	ng	0.00
39) Acenaphthene-d10	9.75	164	215954	20.00	ng	0.00
64) Phenanthrene-d10	11.23	188	392096	20.00	ng	0.00
76) Chrysene-d12	13.86	240	346765	20.00	ng	0.00
87) Perylene-d12	15.27	264	270416	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.35	112	823088	91.30	ng	0.02
7) Phenol-d6	6.37	99	886607	78.29	ng	0.00
23) Nitrobenzene-d5	7.28	82	730823	82.92	ng	-0.01
42) 2,4,6-Tribromophenol	10.55	330	292405	127.54	ng	0.00
45) 2-Fluorobiphenyl	9.08	172	1425796	124.17	ng	0.00
79) Terphenyl-d14	12.82	244	1284157	71.79	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	7.28	70	96069	13.394	ng	# 77
25) Isophorone	7.28	82	706408	37.205	ng	# 65
51) 2,6-Dinitrotoluene	9.75	165	27358	8.251	ng	# 24
57) 2,4-Dinitrotoluene	9.75	165	27358	6.637	ng	# 22
65) 4,6-Dinitro-2-methylphenol	10.54	198	315	4.789	ng	# 1
67) 4-Bromophenyl-phenylether	10.54	248	16572	4.013	ng	# 1

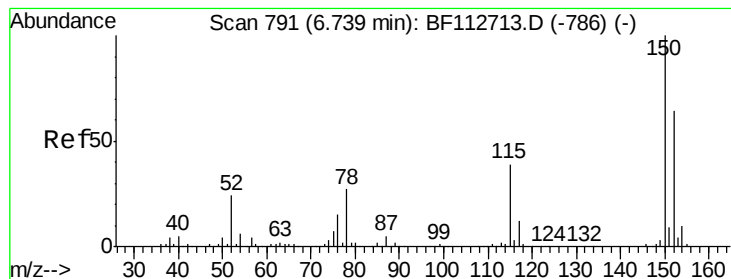
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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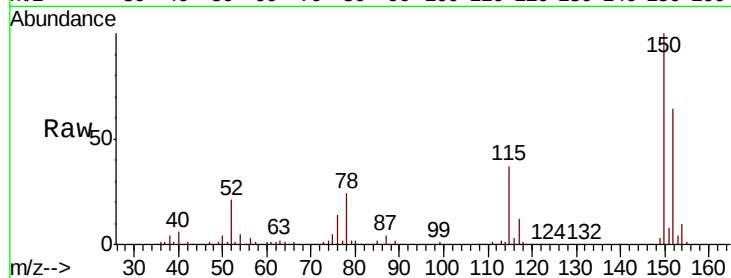


#1

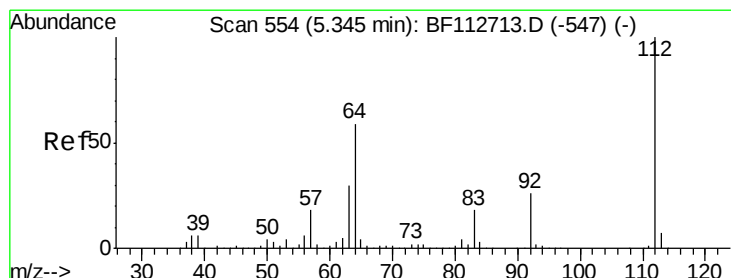
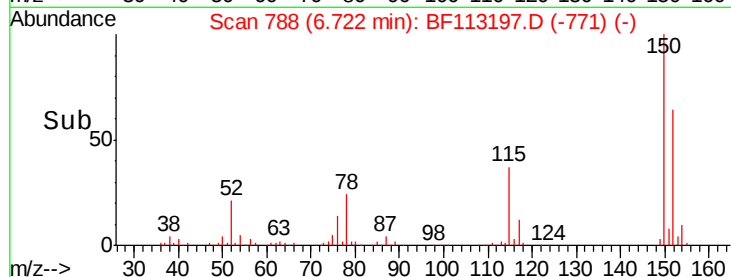
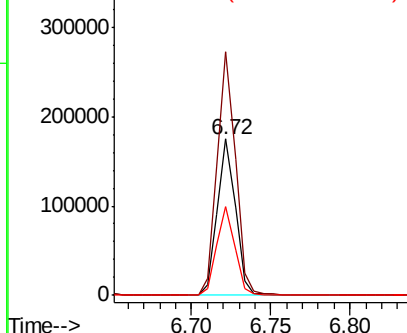
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.72 min Scan# 788
Delta R.T. -0.00 min
Lab File: BF113197.D
Acq: 21 Mar 2019 4:52

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
152	100		
150	155.9	123.0	184.6
115	57.2	45.9	68.9



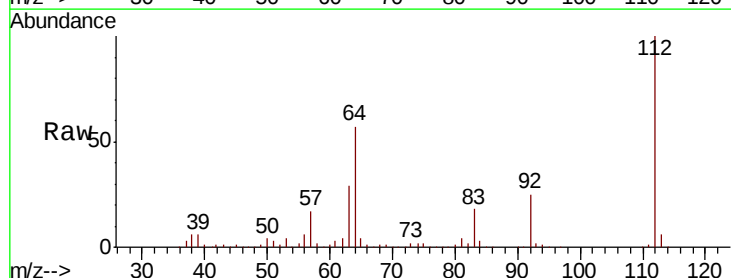
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



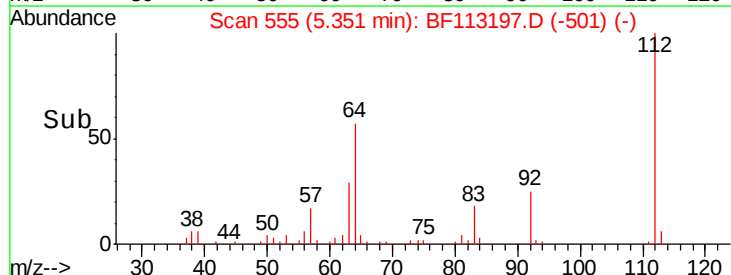
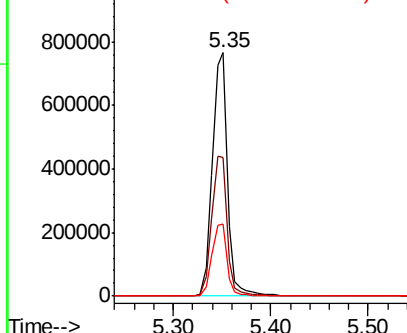
#5

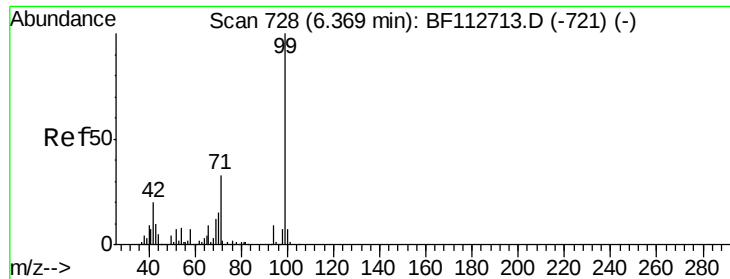
2-Fluorophenol
Concen: 91.295 ng
RT: 5.35 min Scan# 555
Delta R.T. 0.02 min
Lab File: BF113197.D
Acq: 21 Mar 2019 4:52

Tgt Ion	Ratio	Lower	Upper
112	100		
64	56.9	49.3	73.9
63	29.4	25.4	38.2



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: 78.286 ng

RT: 6.37 min Scan# 728

Delta R.T. -0.01 min

Lab File: BF113197.D

Acq: 21 Mar 2019 4:52

Instrument :

BNA_F

ClientSampleId :

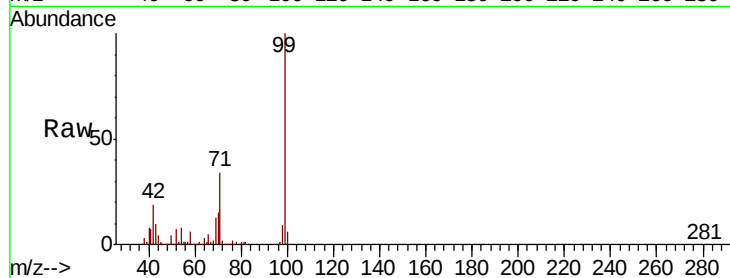
Tot Ion: 99 Resp: 886607

Ion Ratio Lower Upper

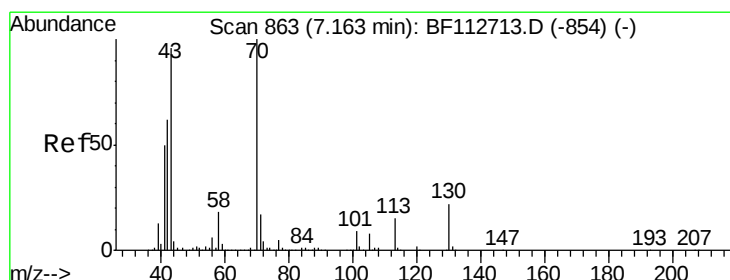
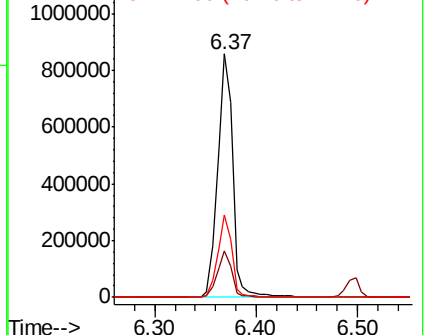
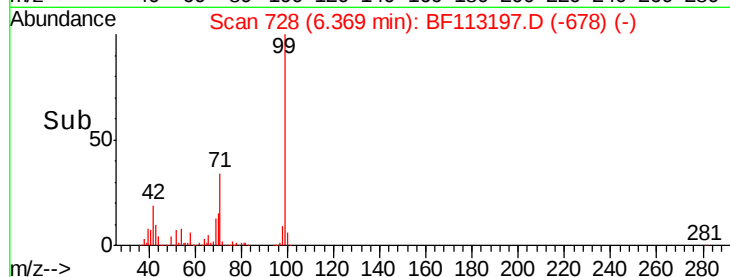
99 100

42 19.4 15.2 22.8

71 33.6 25.7 38.5



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: 13.394 ng

RT: 7.28 min Scan# 883

Delta R.T. 0.14 min

Lab File: BF113197.D

Acq: 21 Mar 2019 4:52

Tgt Ion: 70 Resp: 96069

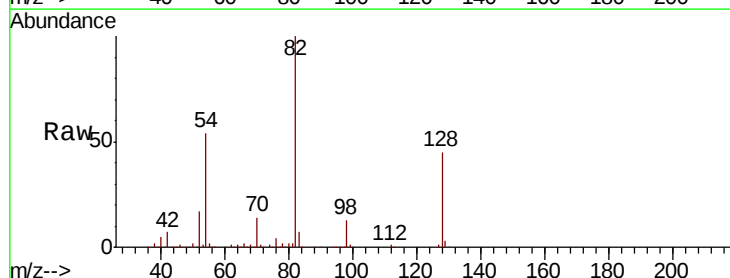
Ion Ratio Lower Upper

70 100

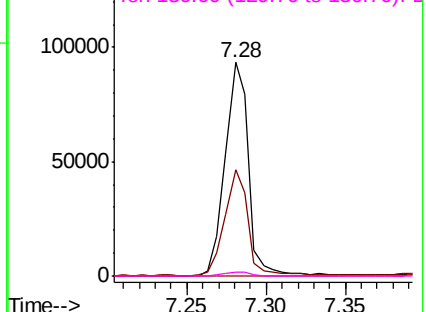
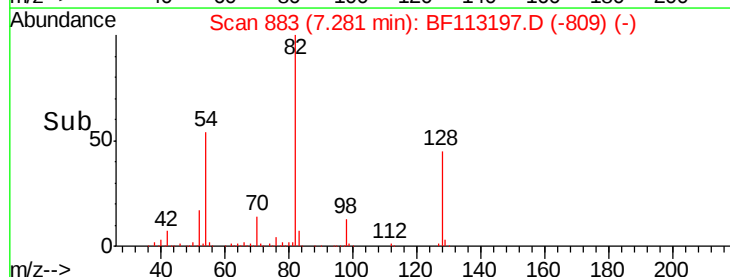
42 49.9 50.4 75.6#

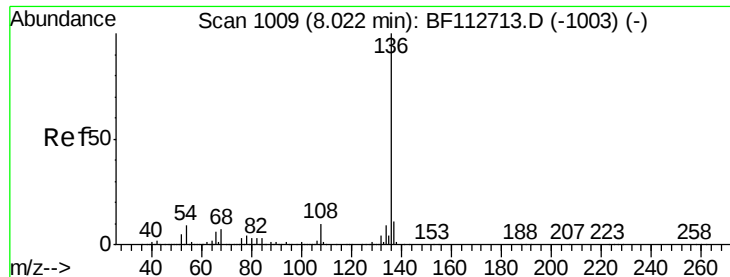
101 0.0 7.5 11.3#

130 2.1 17.0 25.6#



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# 1006

Delta R.T. -0.00 min

Lab File: BF113197.D

Acq: 21 Mar 2019 4:52

Instrument :

BNA_F

ClientSampleId :

Tot Ion:136 Resp: 527371

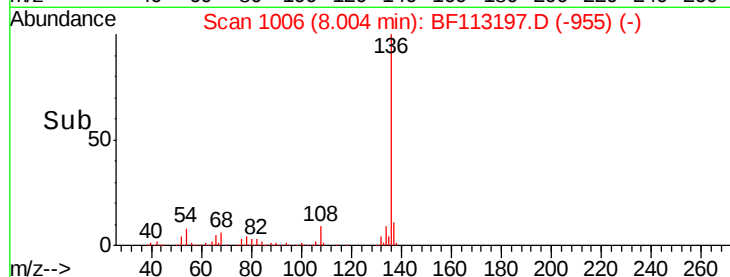
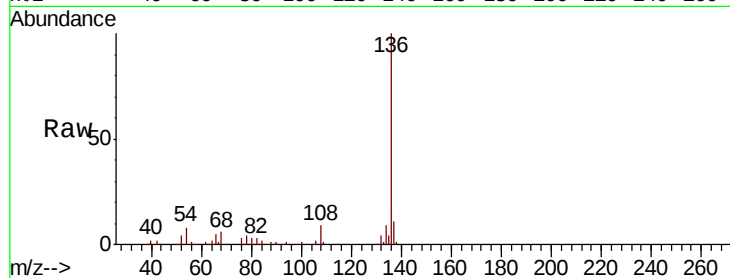
Ion Ratio Lower Upper

136 100

137 11.0 8.9 13.3

54 7.8 7.0 10.6

68 5.6 5.0 7.4

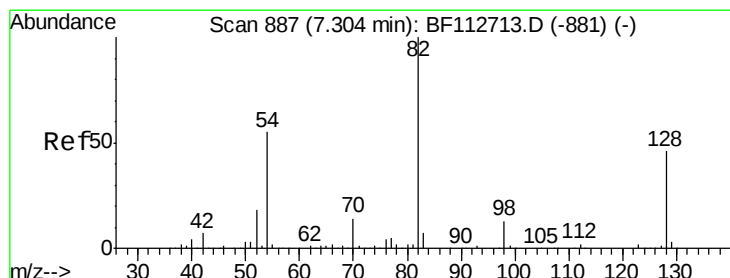
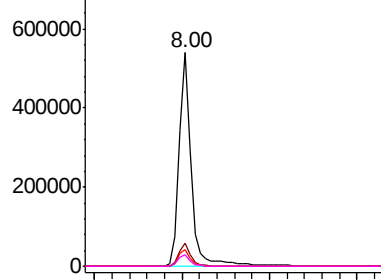


Abundance Ion 136.00 (135.70 to 136.70): E

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: 82.923 ng

RT: 7.28 min Scan# 883

Delta R.T. -0.01 min

Lab File: BF113197.D

Acq: 21 Mar 2019 4:52

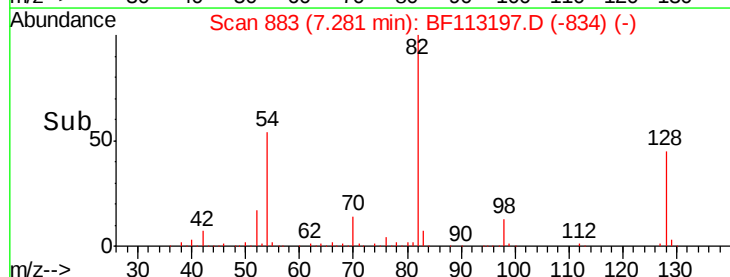
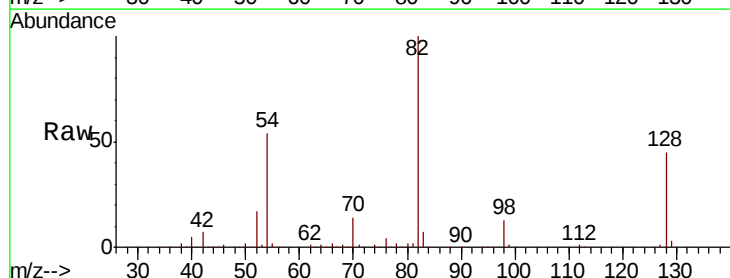
Tgt Ion: 82 Resp: 730823

Ion Ratio Lower Upper

82 100

128 44.9 37.9 56.9

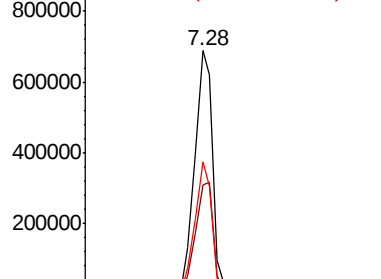
54 54.2 41.2 61.8

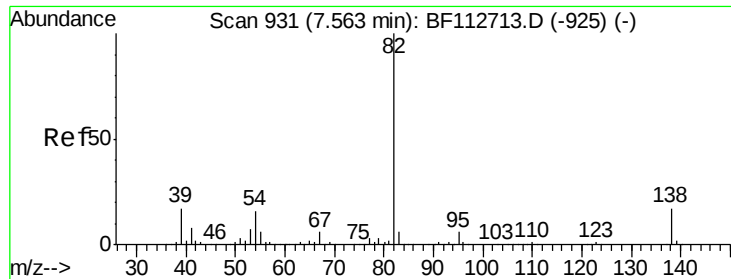


Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF1





#25

Isophorone

Concen: 37.205 ng

RT: 7.28 min Scan# 883

Delta R.T. -0.27 min

Lab File: BF113197.D

Acq: 21 Mar 2019 4:52

Instrument :

BNA_F

ClientSampled :

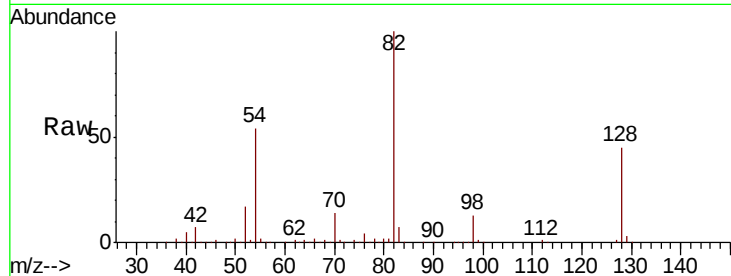
Tot Ion: 82 Resp: 706408

Ion Ratio Lower Upper

82 100

95 0.0 5.6 8.4#

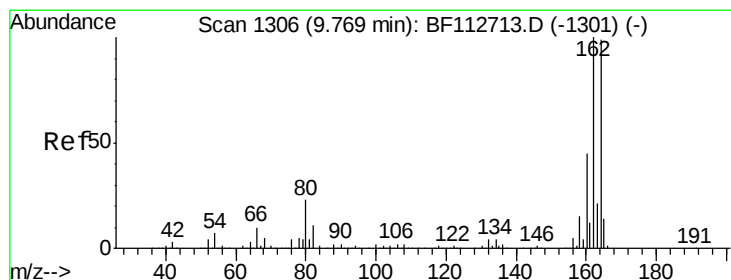
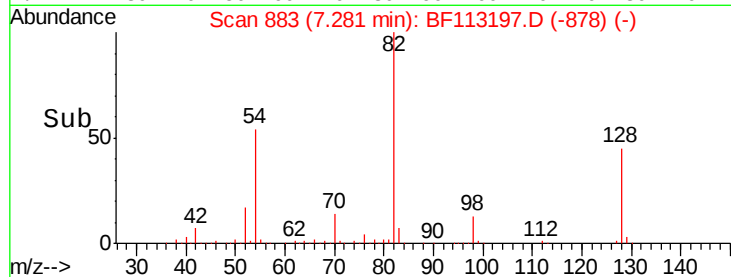
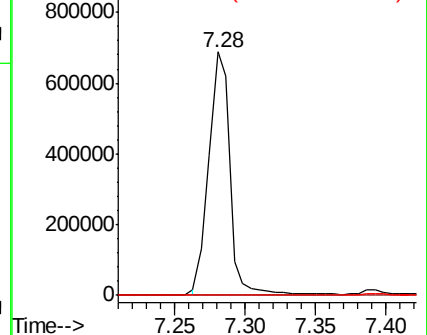
138 0.0 14.5 21.7#



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# 1303

Delta R.T. -0.01 min

Lab File: BF113197.D

Acq: 21 Mar 2019 4:52

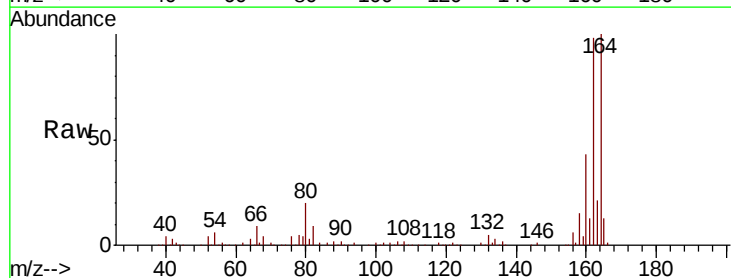
Tgt Ion: 164 Resp: 215954

Ion Ratio Lower Upper

164 100

162 98.4 80.8 121.2

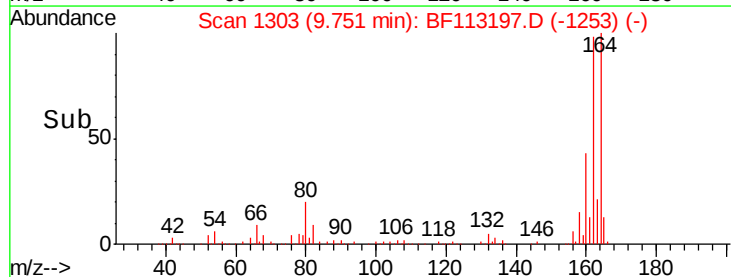
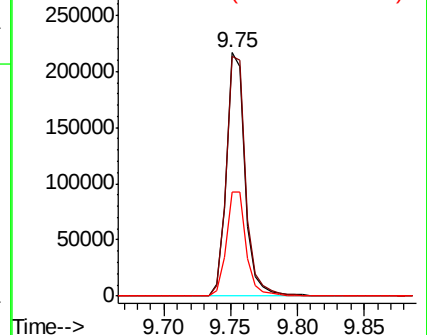
160 42.8 36.2 54.2

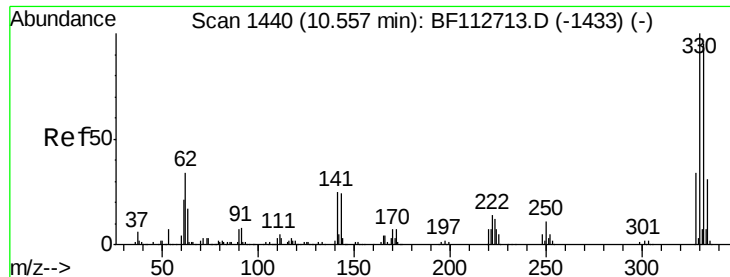


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

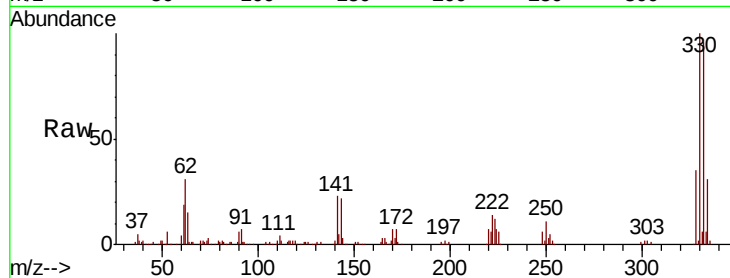




#42
 2,4,6-Tribromophenol
 Concen: 127.542 ng
 RT: 10.55 min Scan# 1438
 Delta R.T. -0.00 min
 Lab File: BF113197.D
 Acq: 21 Mar 2019 4:52

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
330	100		
332	95.2	76.3	114.5
141	28.6	22.3	33.5

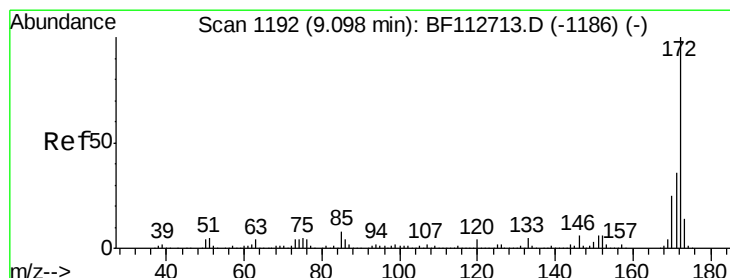
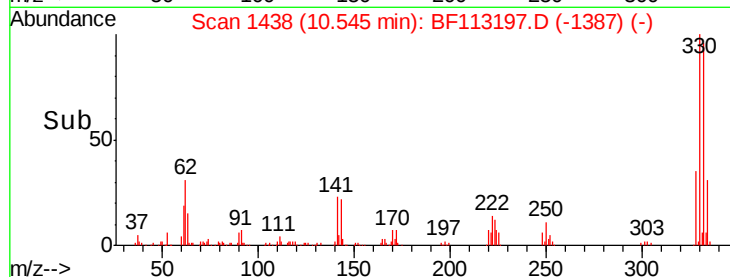
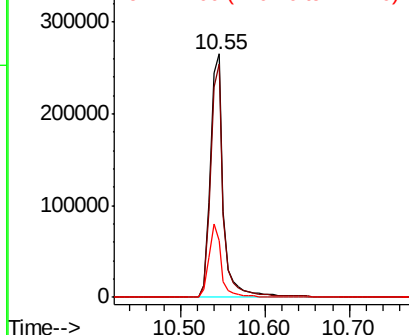


Abundance

Ion 329.80 (329.50 to 330.50): E

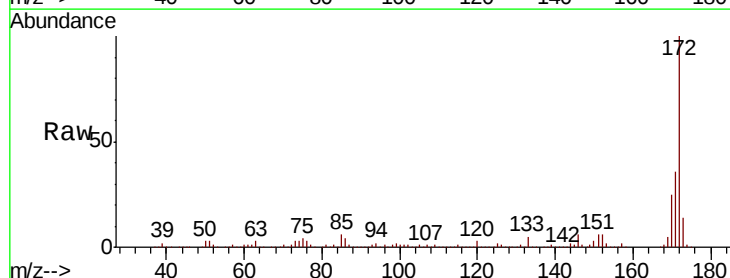
Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



#45
 2-Fluorobiphenyl
 Concen: 124.170 ng
 RT: 9.08 min Scan# 1189
 Delta R.T. -0.01 min
 Lab File: BF113197.D
 Acq: 21 Mar 2019 4:52

Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.2	29.0	43.4
170	24.8	20.1	30.1

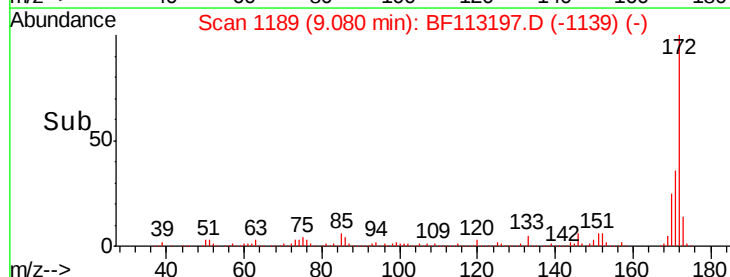
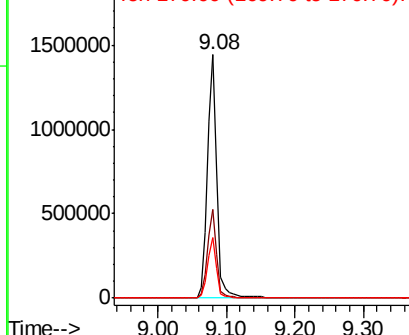


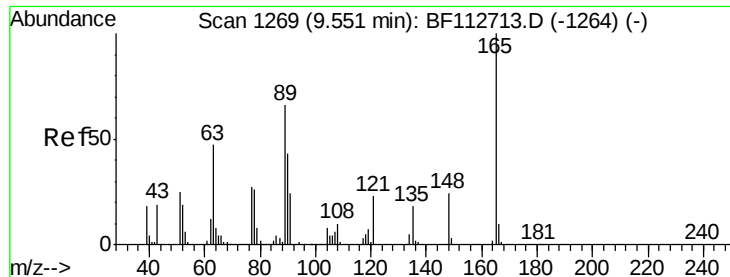
Abundance

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: 8.251 ng

RT: 9.75 min Scan# 1303

Delta R.T. 0.21 min

Lab File: BF113197.D

Acq: 21 Mar 2019 4:52

Instrument :

BNA_F

ClientSampleId :

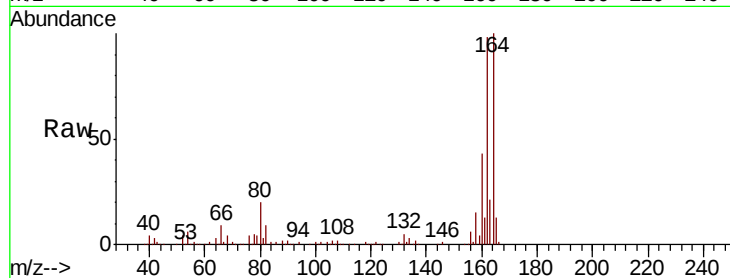
Tot Ion:165 Resp: 27358

Ion Ratio Lower Upper

165 100

63 0.0 45.4 68.2#

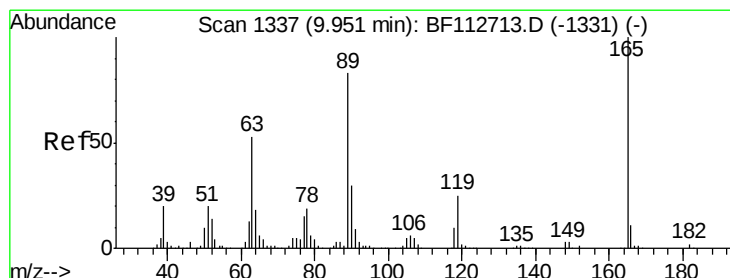
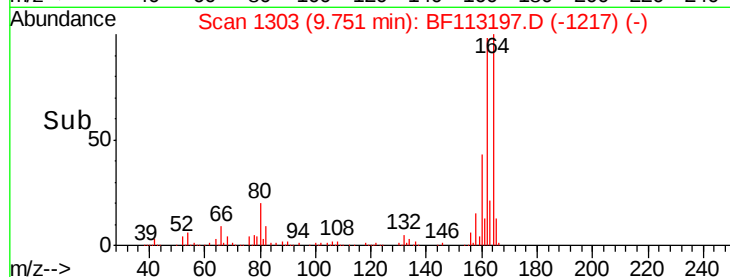
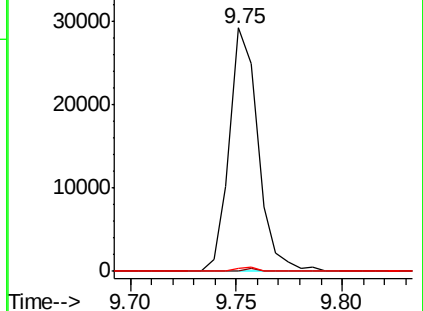
89 1.1 43.8 65.6#



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



#57

2,4-Dinitrotoluene

Concen: 6.637 ng

RT: 9.75 min Scan# 1303

Delta R.T. -0.20 min

Lab File: BF113197.D

Acq: 21 Mar 2019 4:52

Tgt Ion:165 Resp: 27358

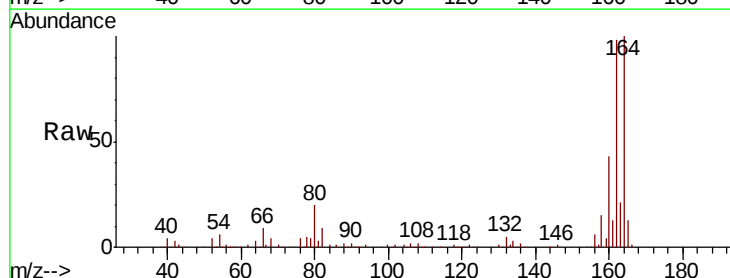
Ion Ratio Lower Upper

165 100

63 0.0 37.9 56.9#

89 1.1 58.5 87.7#

182 0.0 2.2 3.2#

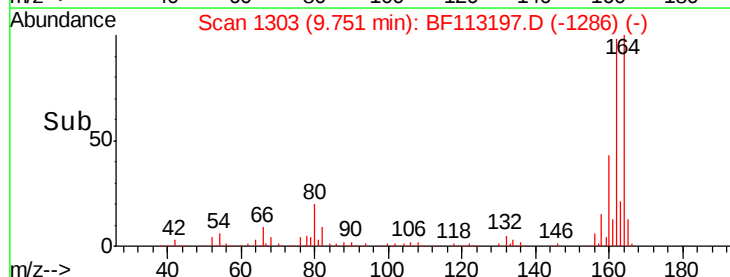
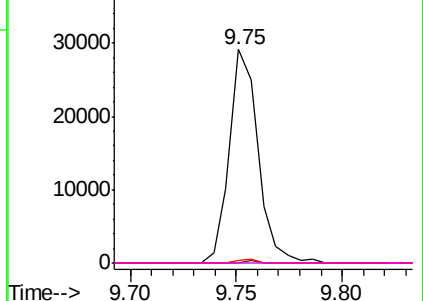


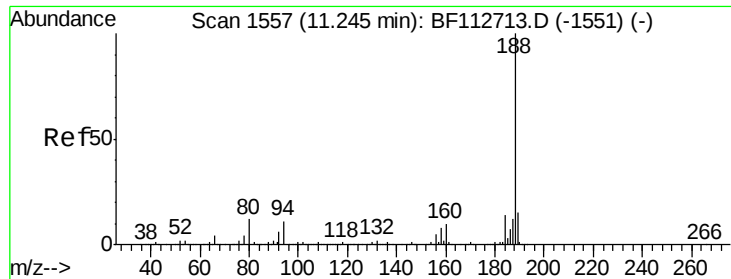
Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF1

Ion 89.00 (88.70 to 89.70): BF1

Ion 182.00 (181.70 to 182.70): E

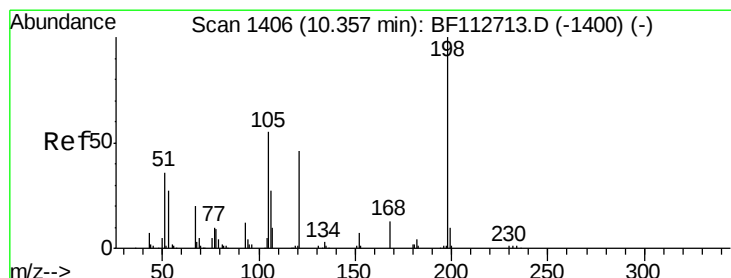
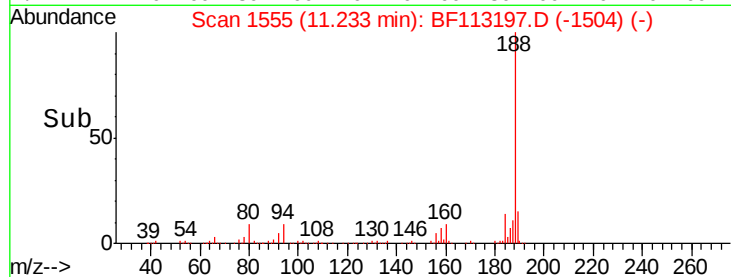
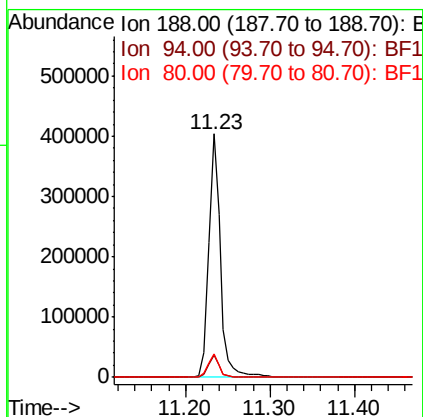
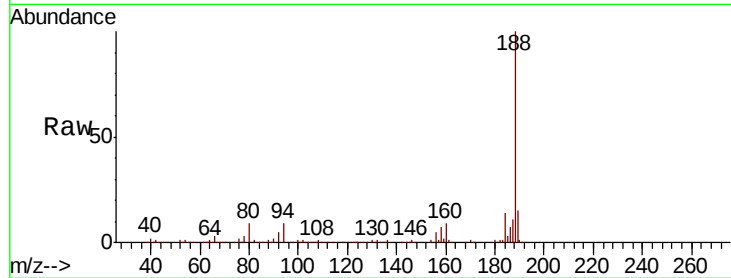




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.23 min Scan# 1555
Delta R.T. -0.00 min
Lab File: BF113197.D
Acq: 21 Mar 2019 4:52

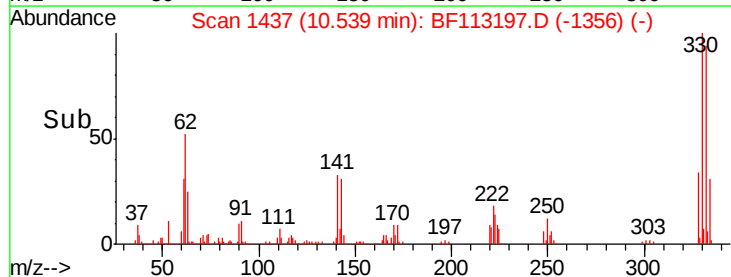
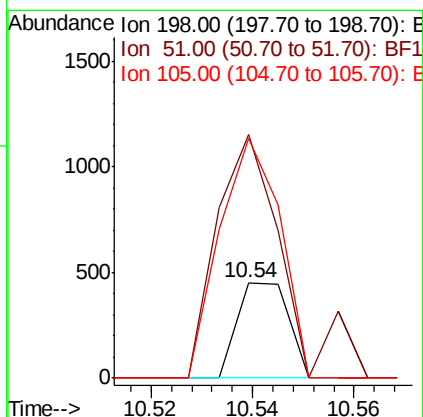
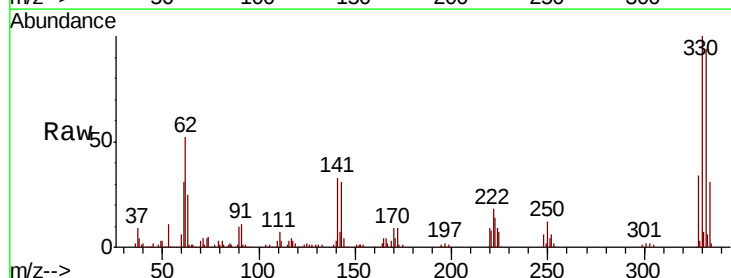
Instrument :
BNA_F
ClientSampleId :

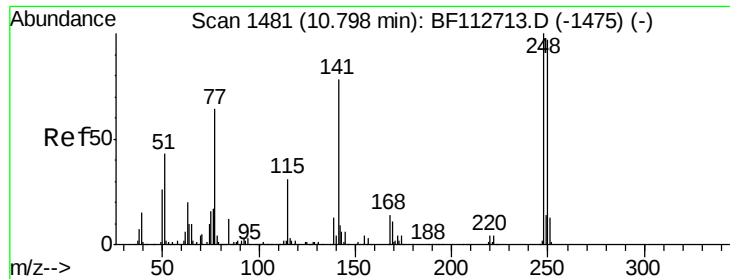
Tot Ion:188 Resp: 392096
Ion Ratio Lower Upper
188 100
94 9.1 7.4 11.2
80 9.5 7.9 11.9



#65
4,6-Dinitro-2-methylphenol
Concen: 4.789 ng
RT: 10.54 min Scan# 1437
Delta R.T. 0.18 min
Lab File: BF113197.D
Acq: 21 Mar 2019 4:52

Tgt Ion:198 Resp: 315
Ion Ratio Lower Upper
198 100
51 255.4 25.5 65.5#
105 251.2 23.2 63.2#

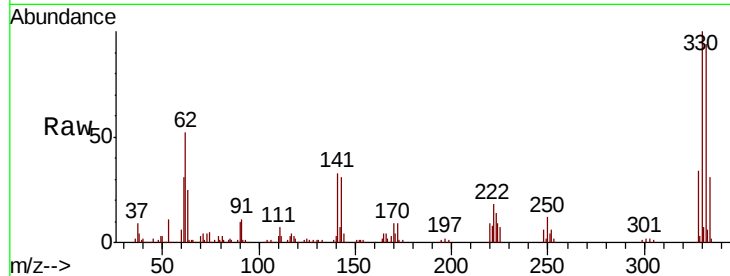




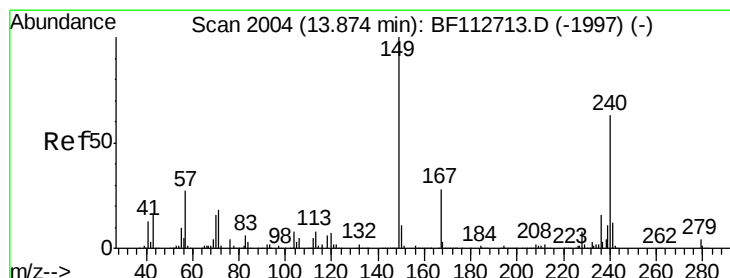
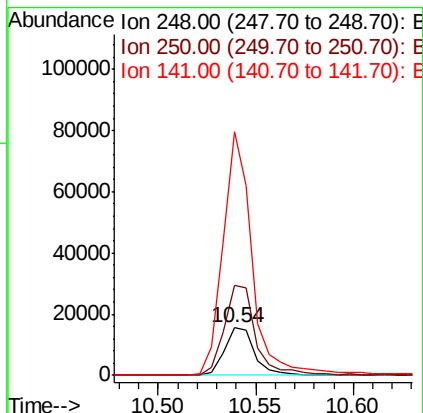
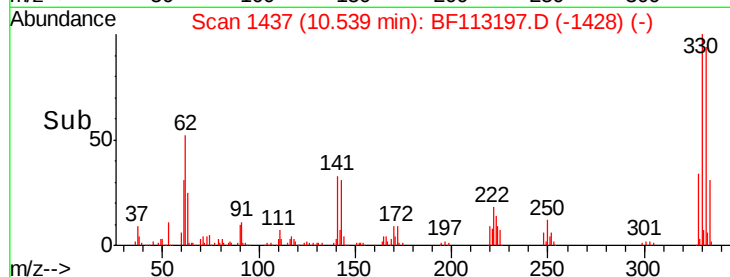
#67
4-Bromophenyl-phenylether
Concen: 4.013 ng
RT: 10.54 min Scan# 1437
Delta R.T. -0.25 min
Lab File: BF113197.D
Acq: 21 Mar 2019 4:52

Instrument :
BNA_F
ClientSampled :

Tot Ion:248 Resp: 16572
Ion Ratio Lower Upper
248 100
250 187.6 78.4 117.6#
141 510.1 45.9 68.9#

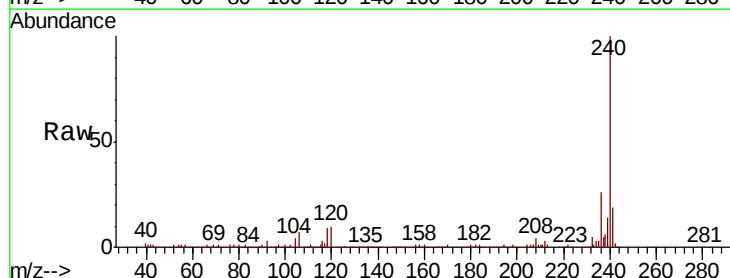


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

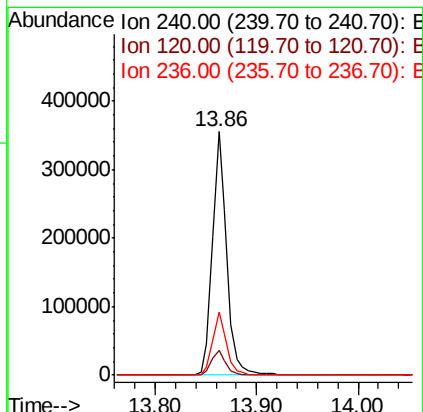
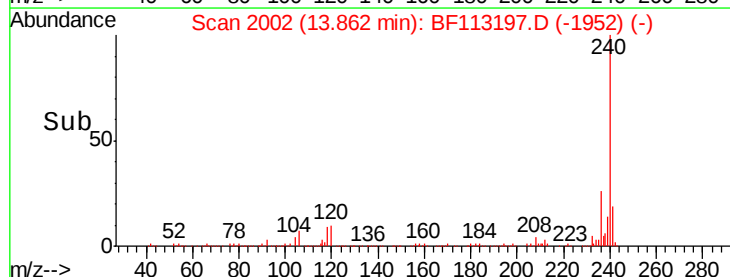


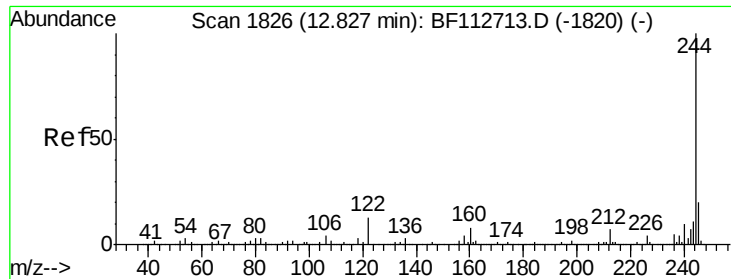
#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.86 min Scan# 2002
Delta R.T. -0.01 min
Lab File: BF113197.D
Acq: 21 Mar 2019 4:52

Tgt Ion:240 Resp: 346765
Ion Ratio Lower Upper
240 100
120 10.3 8.6 12.8
236 26.1 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



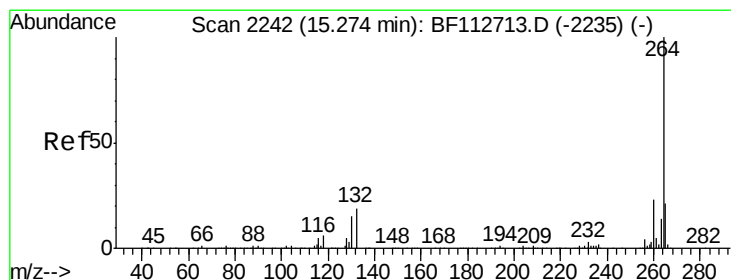
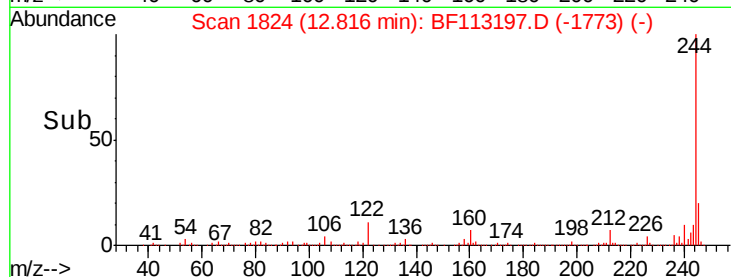
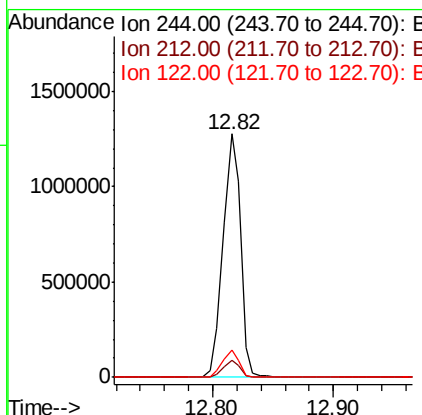
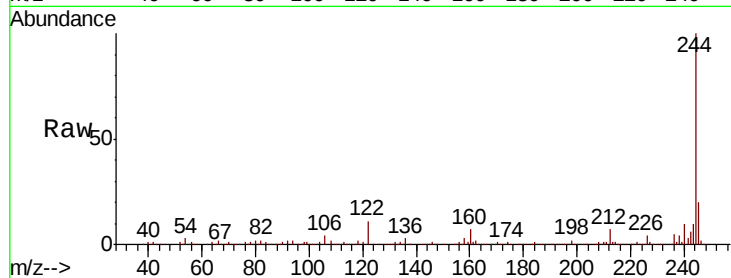


#79
 Terphenyl-d14
 Concen: 71.787 ng
 RT: 12.82 min Scan# 1824
 Delta R.T. -0.00 min
 Lab File: BF113197.D
 Acq: 21 Mar 2019 4:52

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:244 Resp: 1284157

Ion	Ratio	Lower	Upper
244	100		
212	6.9	5.7	8.5
122	11.4	9.4	14.2



#87
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.27 min Scan# 2242
 Delta R.T. 0.01 min
 Lab File: BF113197.D
 Acq: 21 Mar 2019 4:52

Tgt Ion:264 Resp: 270416

Ion	Ratio	Lower	Upper
264	100		
260	24.5	19.2	28.8
265	21.7	17.7	26.5

