

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF031119\
 Data File : BF112993.D
 Acq On : 12 Mar 2019 9:25
 Operator : JU/SJ
 Sample : K1817-12
 Misc :
 ALS Vial : 39 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Mar 12 12:00:09 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF022719.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Mar 01 15:40:43 2019
 Response via : Initial Calibration

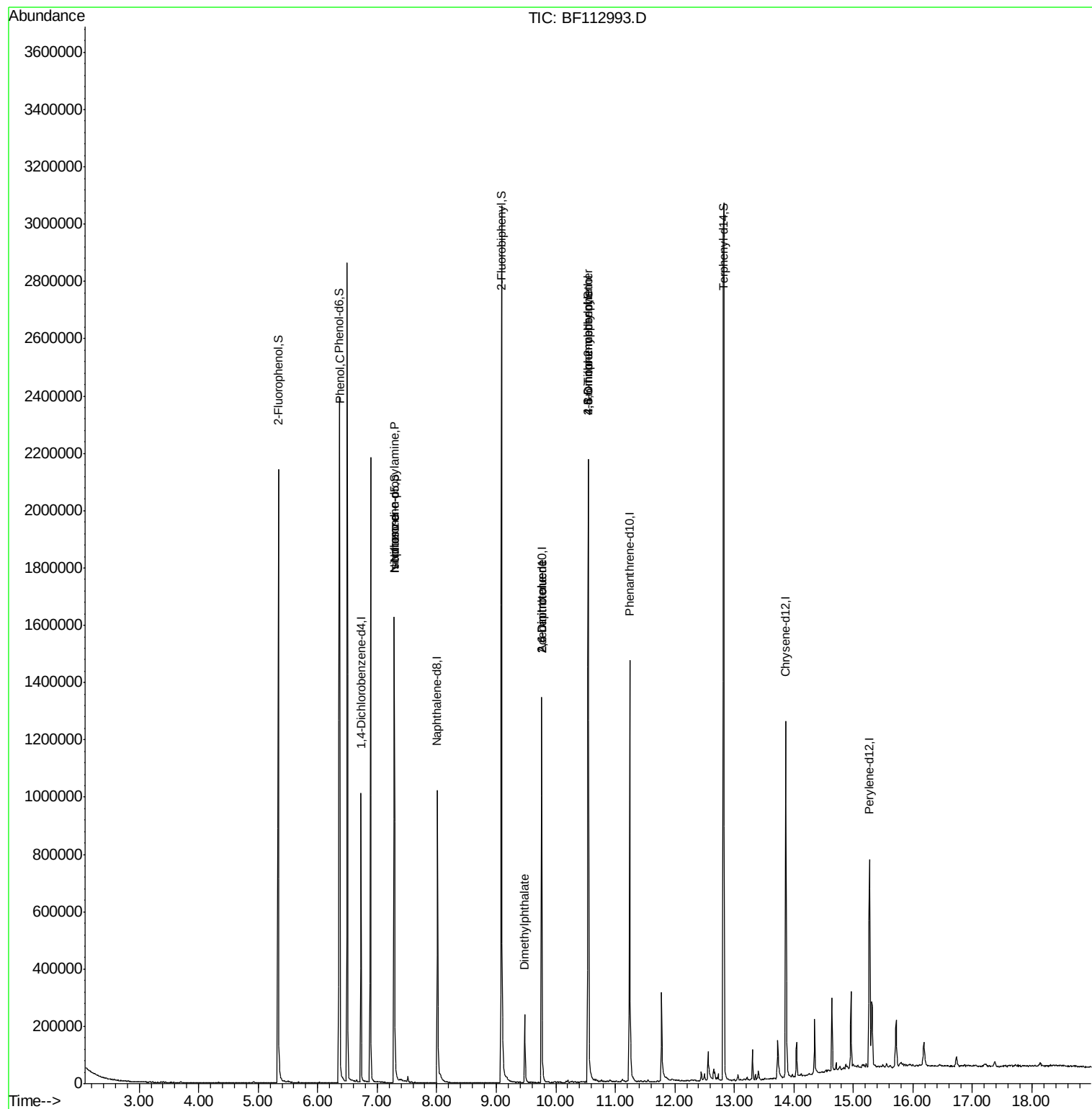
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.73	152	142374	20.00	ng	-0.01
21) Naphthalene-d8	8.01	136	565212	20.00	ng	-0.01
39) Acenaphthene-d10	9.76	164	295470	20.00	ng	0.00
64) Phenanthrene-d10	11.24	188	624169	20.00	ng	0.00
76) Chrysene-d12	13.86	240	476272	20.00	ng	-0.01
87) Perylene-d12	15.27	264	380690	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.34	112	669598	73.16	ng	0.00
7) Phenol-d6	6.36	99	900288	78.30	ng	0.00
23) Nitrobenzene-d5	7.29	82	516375	54.67	ng	-0.02
42) 2,4,6-Tribromophenol	10.55	330	312475	99.62	ng	-0.01
45) 2-Fluorobiphenyl	9.09	172	1058791	53.89	ng	-0.01
79) Terphenyl-d14	12.82	244	1208090	49.17	ng	0.00
Target Compounds						
10) Phenol	6.37	94	31112	2.319	ng	92
19) n-Nitroso-di-n-propylamine	7.29	70	66232	9.096	ng	# 76
25) Isophorone	7.29	82	516366	25.375	ng	# 66
50) Dimethylphthalate	9.48	163	108682	4.988	ng	99
51) 2,6-Dinitrotoluene	9.76	165	37578	8.283	ng	# 18
57) 2,4-Dinitrotoluene	9.76	165	37578	6.663	ng	# 17
65) 4,6-Dinitro-2-methylphenol	10.55	198	464	4.776	ng	# 1
67) 4-Bromophenyl-phenylether	10.55	248	17356	2.640	ng	# 1

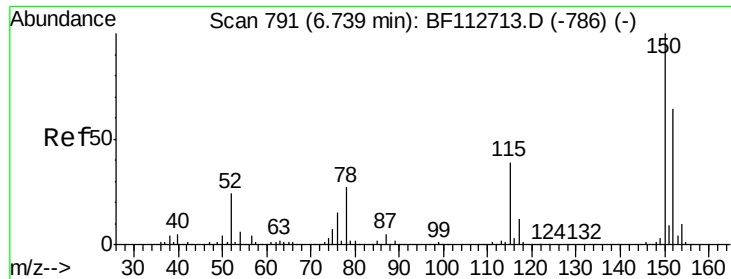
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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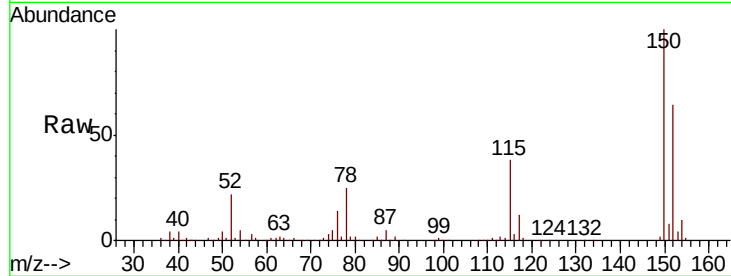


#1

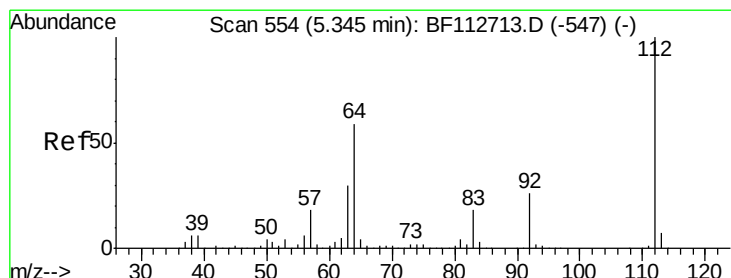
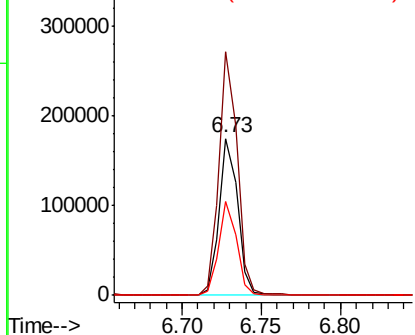
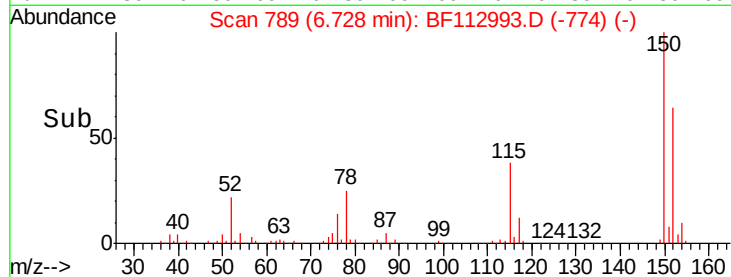
1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.73 min Scan# 789
 Delta R.T. -0.01 min
 Lab File: BF112993.D
 Acq: 12 Mar 2019 9:25

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
152	100		
150	155.1	124.2	186.2
115	59.7	48.2	72.4



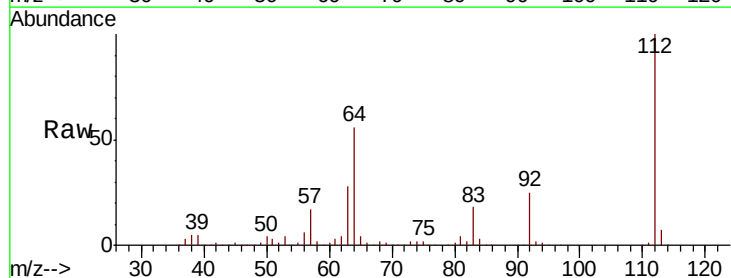
Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E



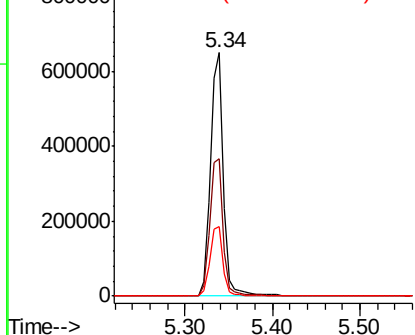
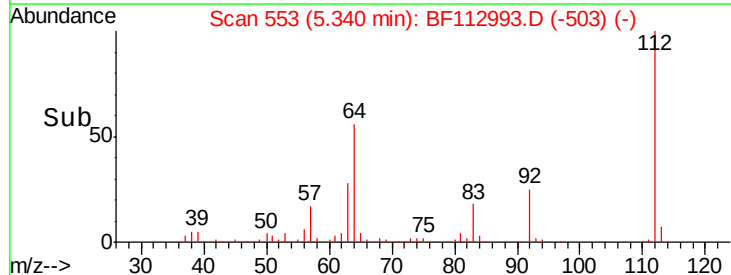
#5

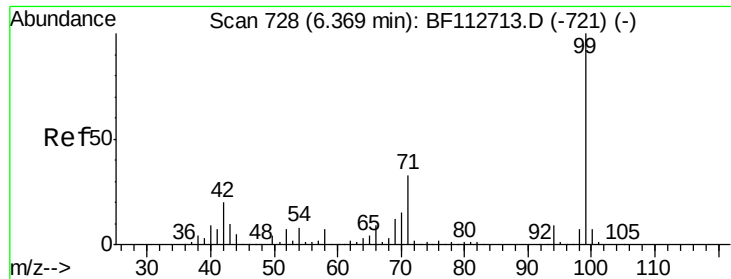
2-Fluorophenol
 Concen: 73.159 ng
 RT: 5.34 min Scan# 553
 Delta R.T. -0.01 min
 Lab File: BF112993.D
 Acq: 12 Mar 2019 9:25

Tgt Ion	Ratio	Lower	Upper
112	100		
64	56.4	47.6	71.4
63	28.4	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: 78.304 ng

RT: 6.36 min Scan# 727

Delta R.T. -0.01 min

Lab File: BF112993.D

Acq: 12 Mar 2019 9:25

Instrument :

BNA_F

ClientSampled :

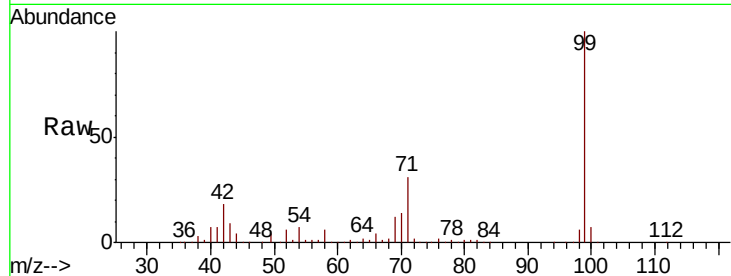
Tot Ion: 99 Resp: 900288

Ion Ratio Lower Upper

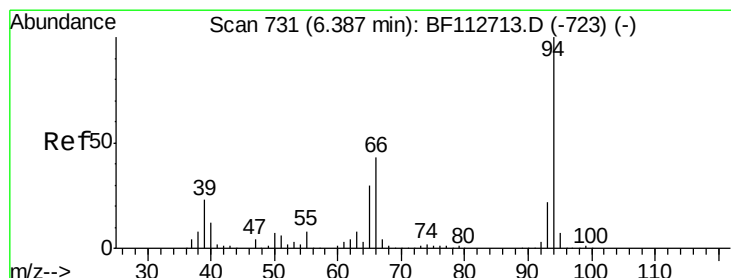
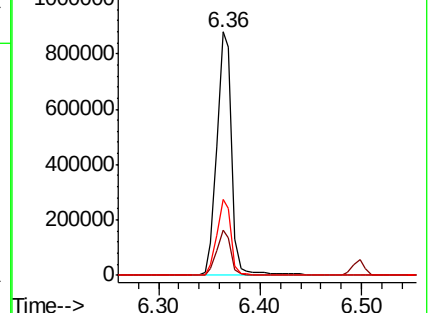
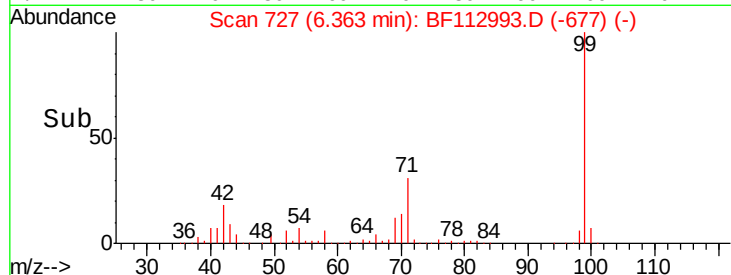
99 100

42 18.5 16.3 24.5

71 31.1 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



#10

Phenol

Concen: 2.319 ng

RT: 6.37 min Scan# 729

Delta R.T. -0.01 min

Lab File: BF112993.D

Acq: 12 Mar 2019 9:25

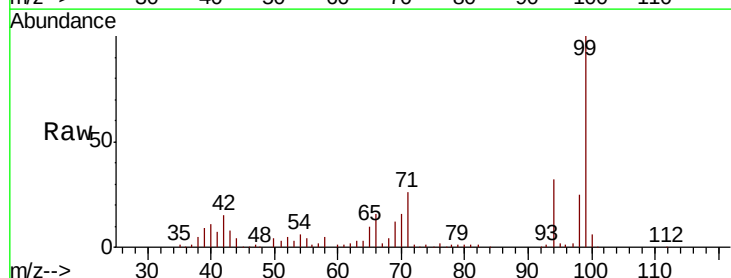
Tgt Ion: 94 Resp: 31112

Ion Ratio Lower Upper

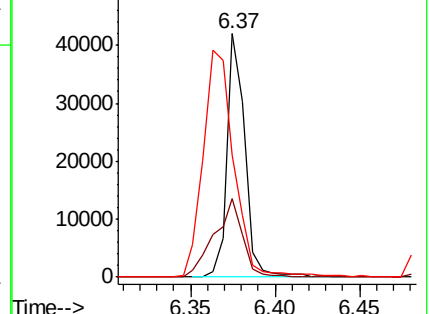
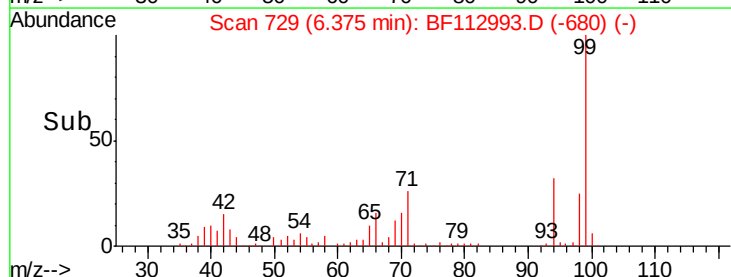
94 100

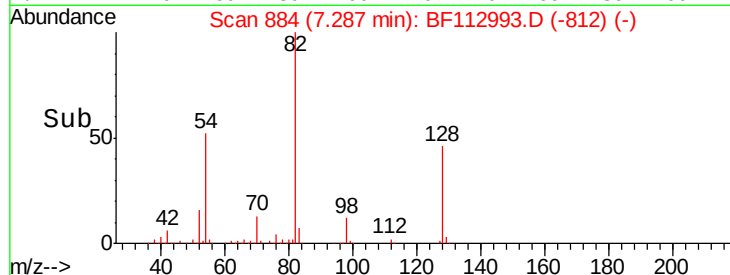
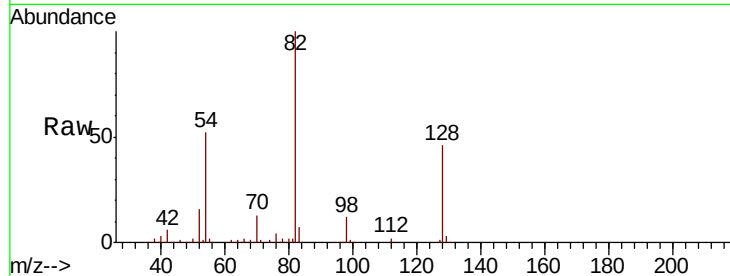
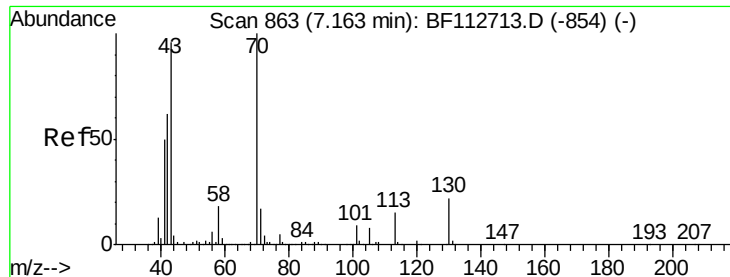
65 32.3 10.5 50.5

66 50.0 22.6 62.6



Abundance Ion 94.00 (93.70 to 94.70): BF1
Ion 65.00 (64.70 to 65.70): BF1
Ion 66.00 (65.70 to 66.70): BF1

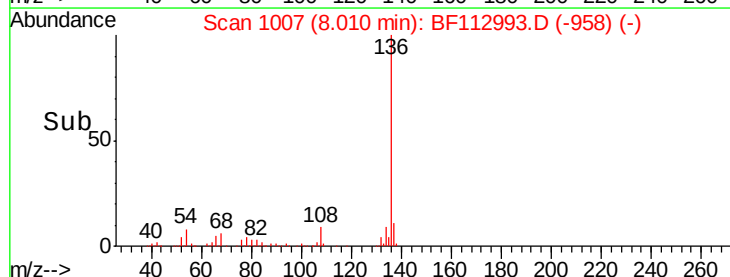
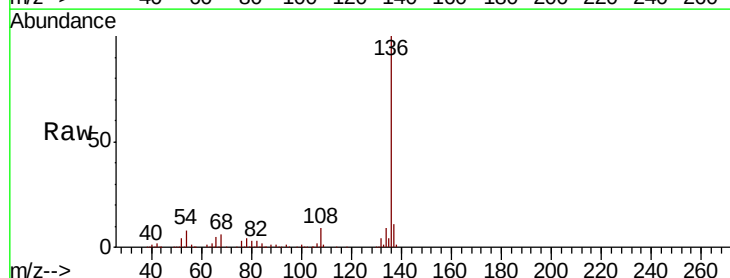
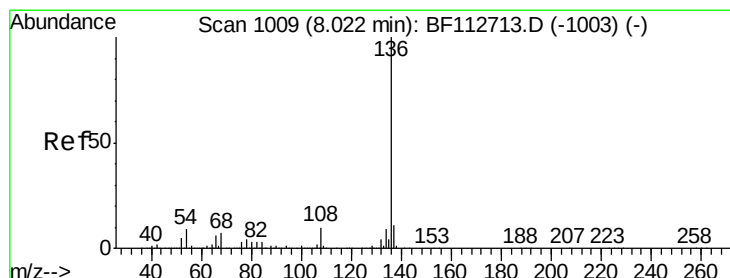
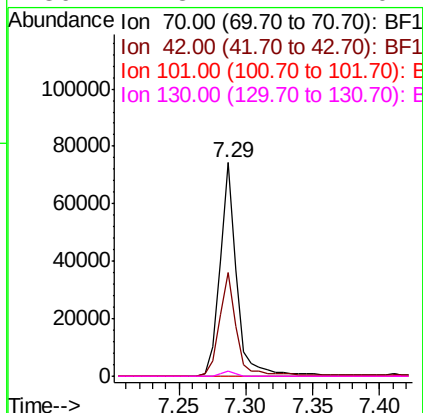




#19
n-Nitroso-di-n-propylamine
Concen: 9.096 ng
RT: 7.29 min Scan# 884
Delta R.T. 0.12 min
Lab File: BF112993.D
Acq: 12 Mar 2019 9:25

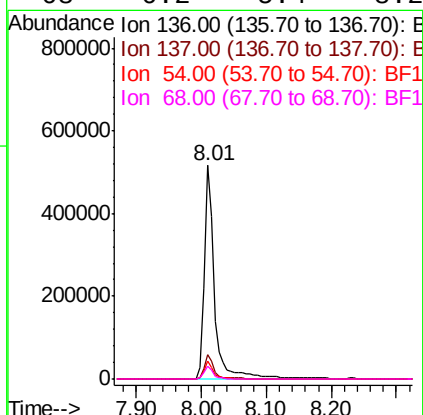
Instrument :
BNA_F
ClientSampleId :

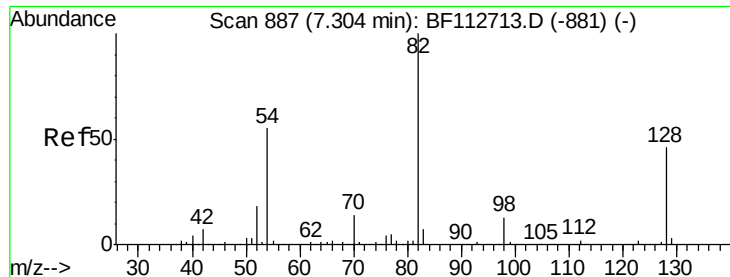
Tot Ion: 70 Resp: 66232
Ion Ratio Lower Upper
70 100
42 48.6 49.9 74.9#
101 0.0 7.4 11.2#
130 2.3 17.4 26.2#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.01 min Scan# 1007
Delta R.T. -0.01 min
Lab File: BF112993.D
Acq: 12 Mar 2019 9:25

Tgt Ion: 136 Resp: 565212
Ion Ratio Lower Upper
136 100
137 11.1 8.9 13.3
54 8.3 7.3 10.9
68 6.2 5.4 8.2

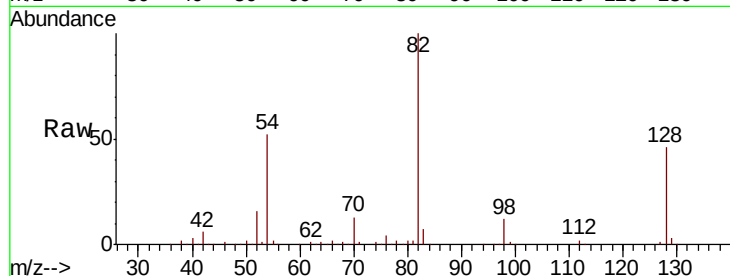




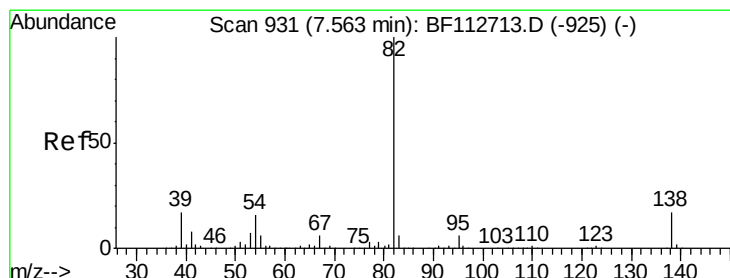
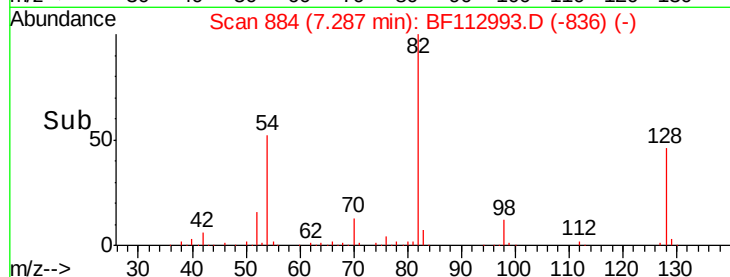
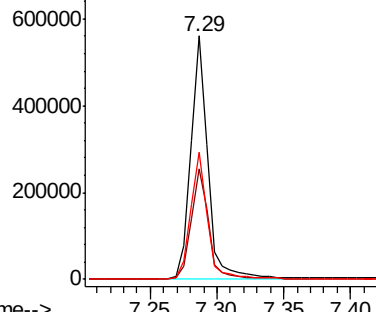
#23
Nitrobenzene-d5
Concen: 54.668 ng
RT: 7.29 min Scan# 884
Delta R.T. -0.02 min
Lab File: BF112993.D
Acq: 12 Mar 2019 9:25

Instrument :
BNA_F
ClientSampled :

Tot Ion	82	Resp	516375
Ion Ratio	Lower	Upper	
82	100		
128	45.5	36.3	54.5
54	52.4	43.7	65.5

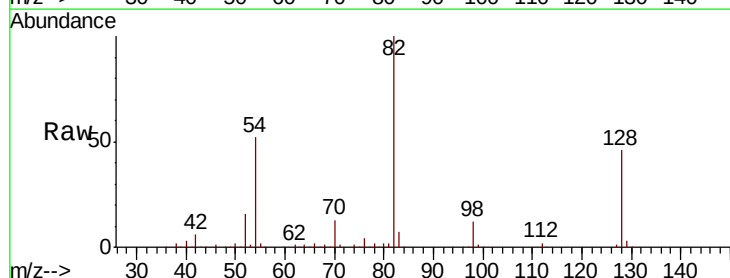


Abundance Ion 82.00 (81.70 to 82.70): BF1
Ion 128.00 (127.70 to 128.70): BF1
Ion 54.00 (53.70 to 54.70): BF1

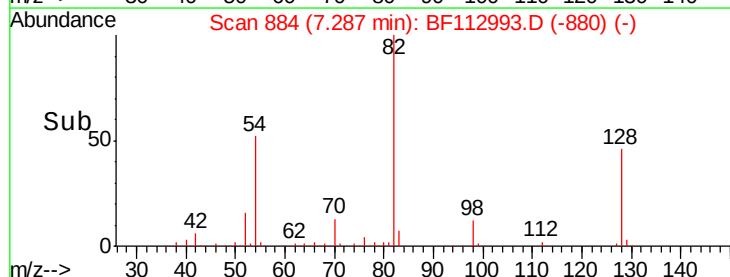
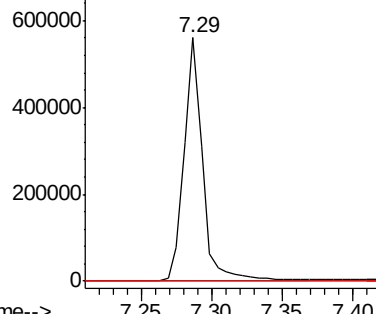


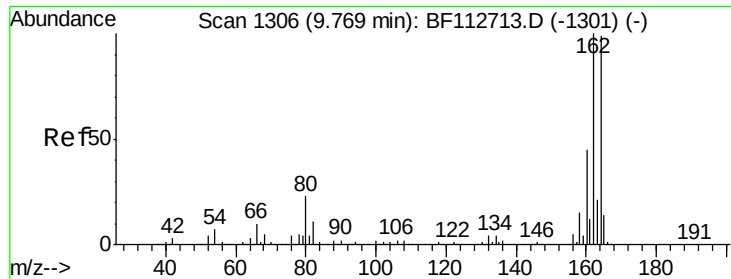
#25
Isophorone
Concen: 25.375 ng
RT: 7.29 min Scan# 884
Delta R.T. -0.28 min
Lab File: BF112993.D
Acq: 12 Mar 2019 9:25

Tgt Ion	82	Resp	516366
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

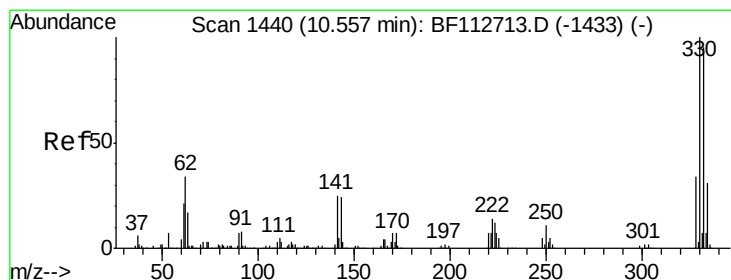
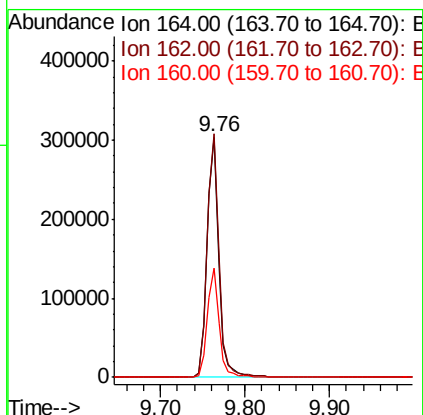
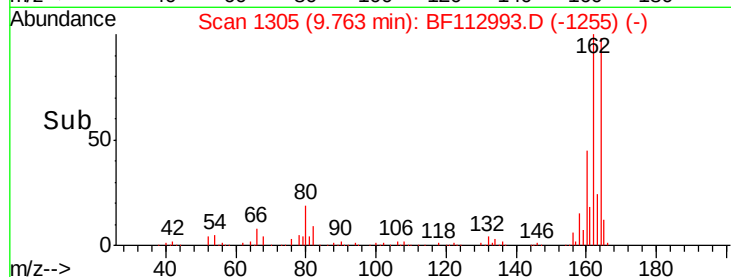
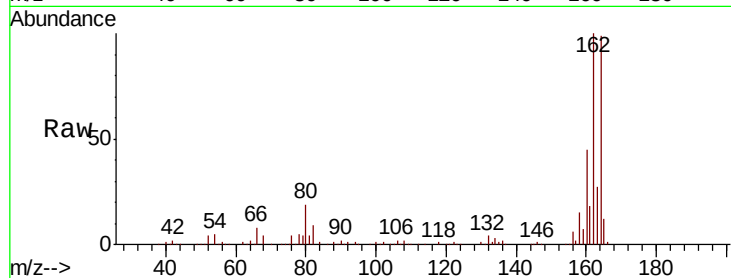




#39
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.76 min Scan# 1305
 Delta R.T. -0.01 min
 Lab File: BF112993.D
 Acq: 12 Mar 2019 9:25

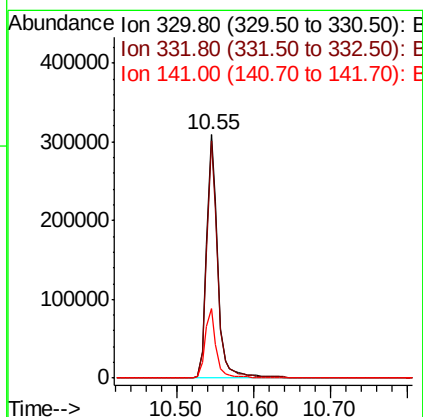
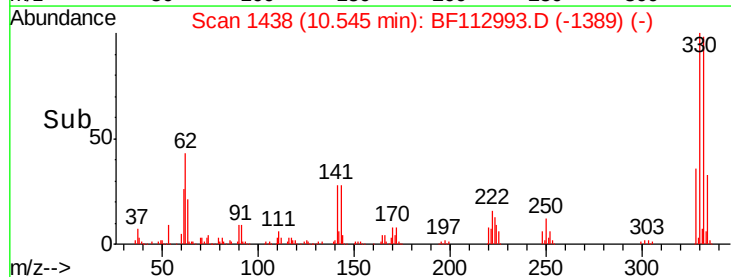
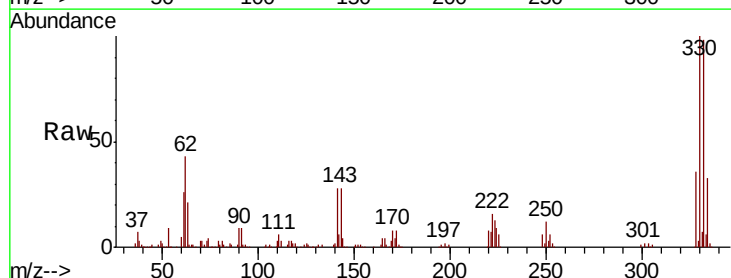
Instrument :
 BNA_F
 ClientSampleId :

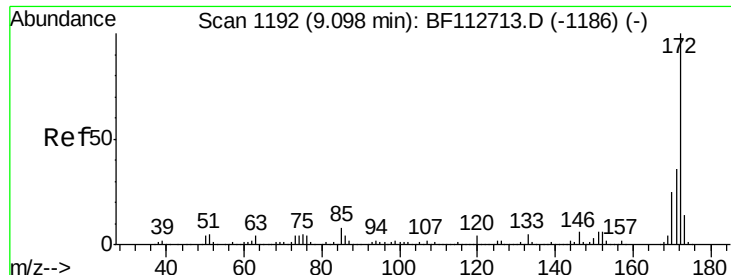
Tot Ion:164 Resp: 295470
 Ion Ratio Lower Upper
 164 100
 162 101.3 80.6 120.8
 160 45.6 36.0 54.0



#42
 2,4,6-Tribromophenol
 Concen: 99.616 ng
 RT: 10.55 min Scan# 1438
 Delta R.T. -0.01 min
 Lab File: BF112993.D
 Acq: 12 Mar 2019 9:25

Tgt Ion:330 Resp: 312475
 Ion Ratio Lower Upper
 330 100
 332 96.5 76.2 114.4
 141 28.3 27.0 40.6



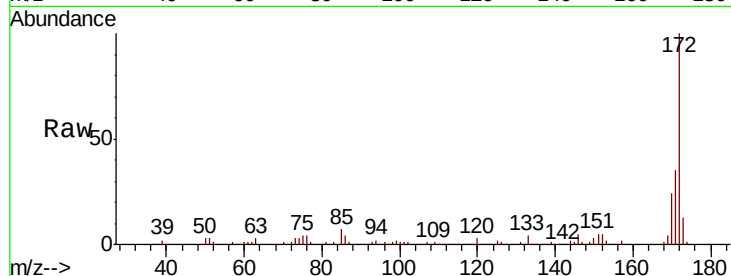


#45
 2-Fluorobiphenyl
 Concen: 53.889 ng
 RT: 9.09 min Scan# 1190
 Delta R.T. -0.01 min
 Lab File: BF112993.D
 Acq: 12 Mar 2019 9:25

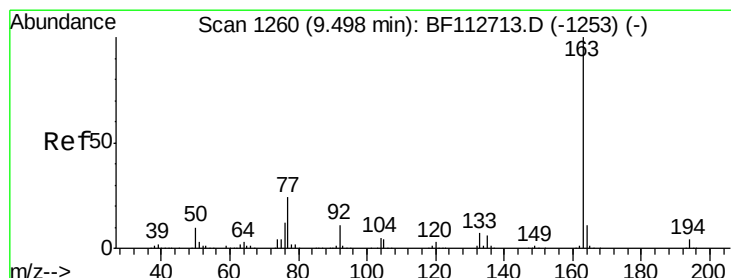
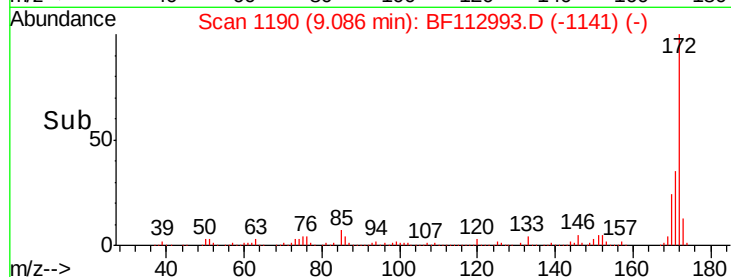
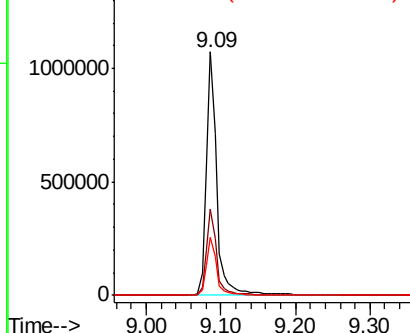
Instrument :
 BNA_F
 ClientSampled :

Tot Ion:172 Resp: 1058791

Ion	Ratio	Lower	Upper
172	100		
171	35.5	29.0	43.4
170	24.0	20.0	30.0



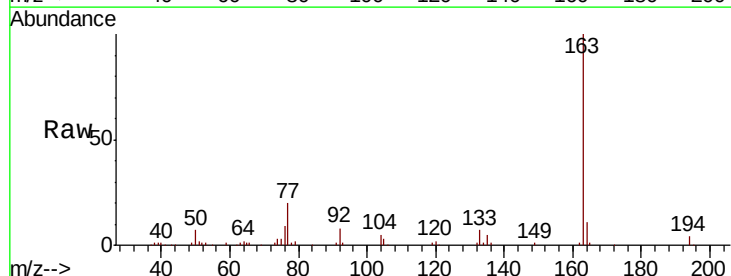
Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E



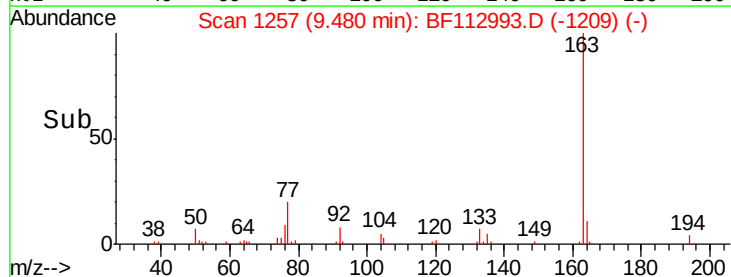
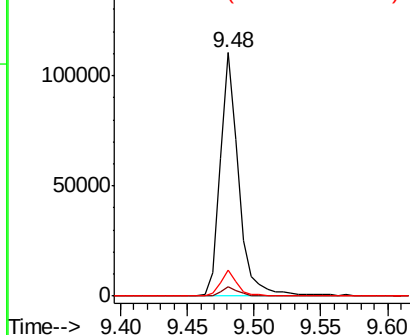
#50
 Dimethylphthalate
 Concen: 4.988 ng
 RT: 9.48 min Scan# 1257
 Delta R.T. -0.02 min
 Lab File: BF112993.D
 Acq: 12 Mar 2019 9:25

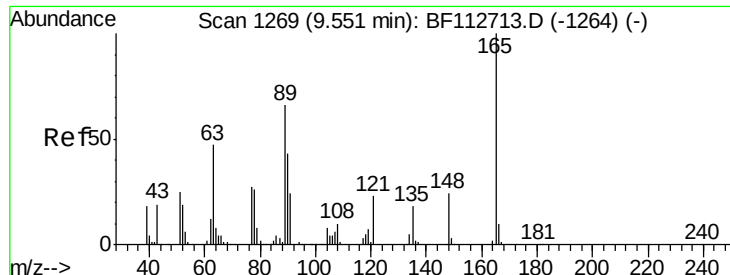
Tgt Ion:163 Resp: 108682

Ion	Ratio	Lower	Upper
163	100		
194	3.7	3.0	4.4
164	10.8	8.4	12.6



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

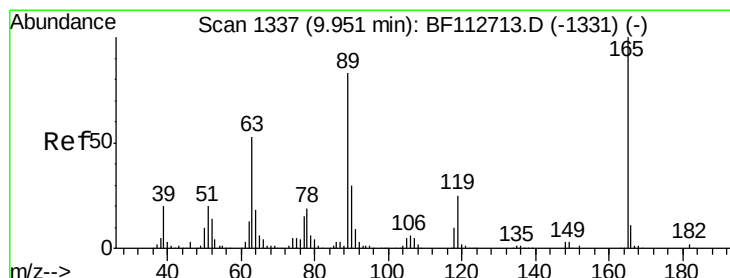
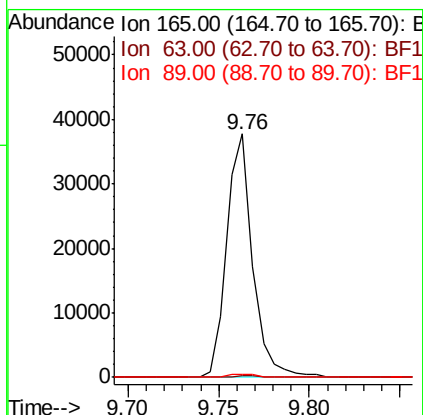
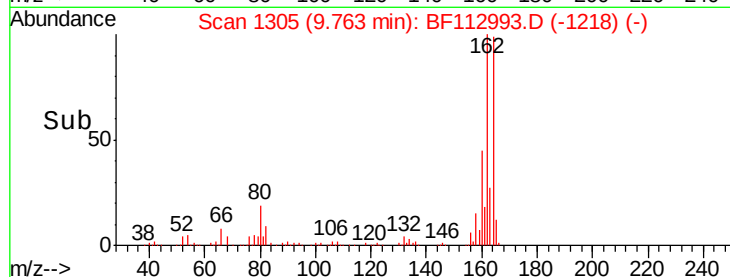
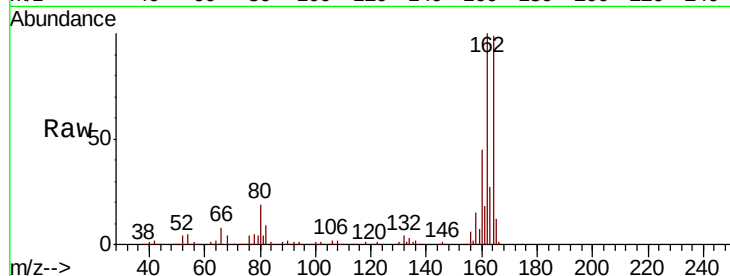




#51
 2,6-Dinitrotoluene
 Concen: 8.283 ng
 RT: 9.76 min Scan# 1305
 Delta R.T. 0.21 min
 Lab File: BF112993.D
 Acq: 12 Mar 2019 9:25

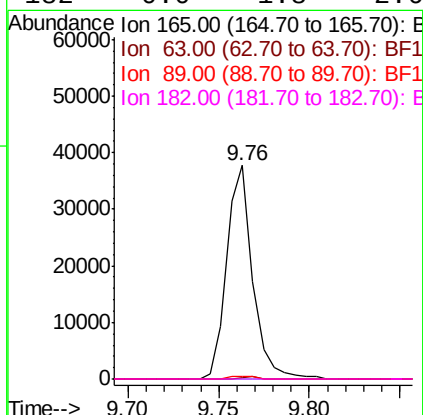
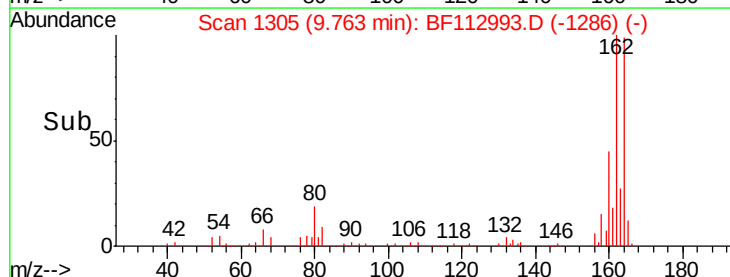
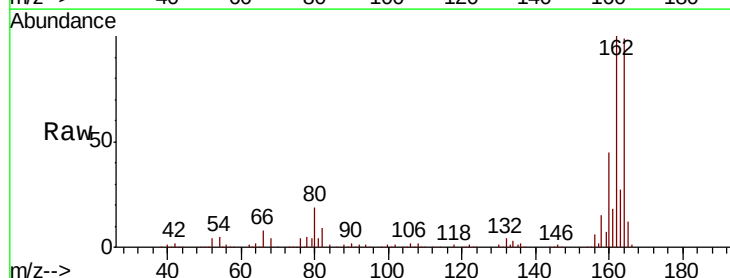
Instrument :
 BNA_F
 ClientSampleId :

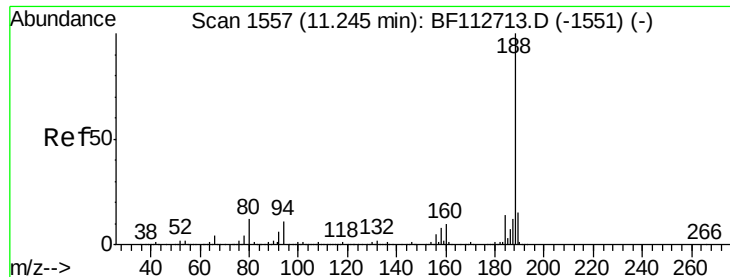
Tot Ion	Ratio	Lower	Upper
165	100		
63	0.8	54.1	81.1#
89	1.3	52.8	79.2#



#57
 2,4-Dinitrotoluene
 Concen: 6.663 ng
 RT: 9.76 min Scan# 1305
 Delta R.T. -0.19 min
 Lab File: BF112993.D
 Acq: 12 Mar 2019 9:25

Tgt Ion	Ratio	Lower	Upper
165	100		
63	0.8	42.2	63.2#
89	1.3	66.2	99.4#
182	0.0	1.8	2.6#





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.24 min Scan# 1556

Delta R.T. -0.01 min

Lab File: BF112993.D

Acq: 12 Mar 2019 9:25

Instrument :

BNA_F

ClientSampleId :

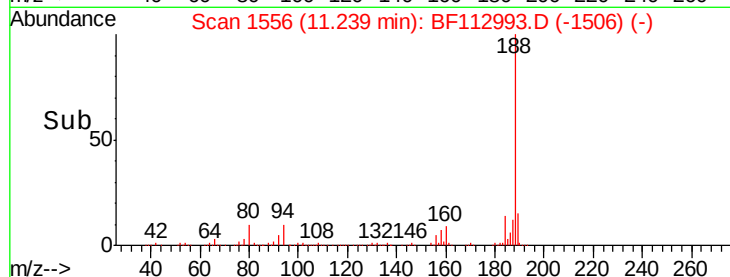
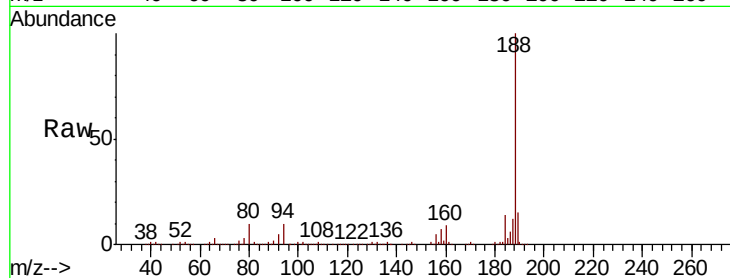
Tot Ion:188 Resp: 624169

Ion Ratio Lower Upper

188 100

94 9.6 9.0 13.4

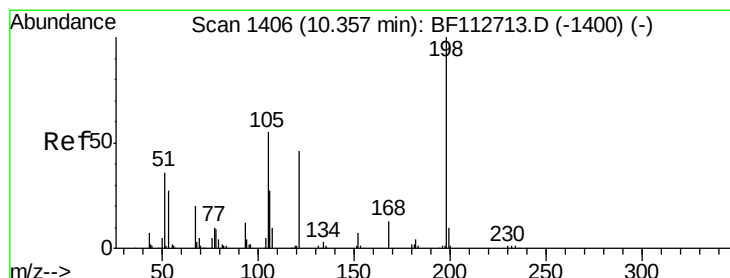
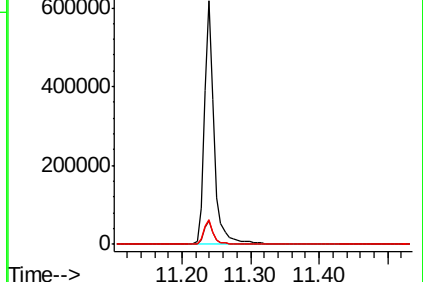
80 9.9 9.2 13.8



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: 4.776 ng

RT: 10.55 min Scan# 1438

Delta R.T. 0.19 min

Lab File: BF112993.D

Acq: 12 Mar 2019 9:25

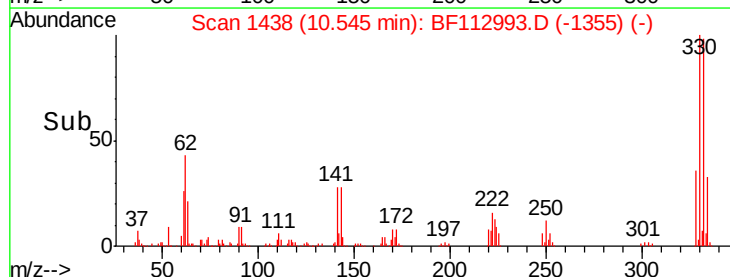
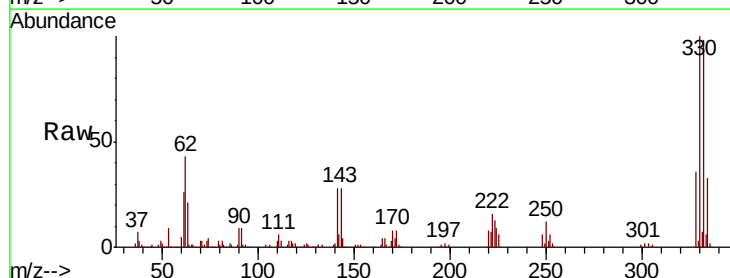
Tgt Ion:198 Resp: 464

Ion Ratio Lower Upper

198 100

51 212.6 43.8 83.8#

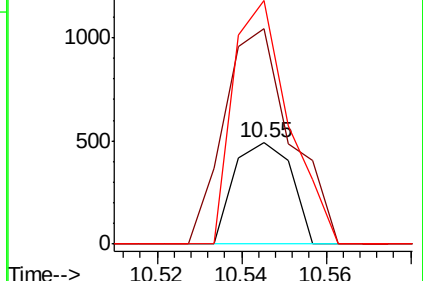
105 240.1 36.5 76.5#

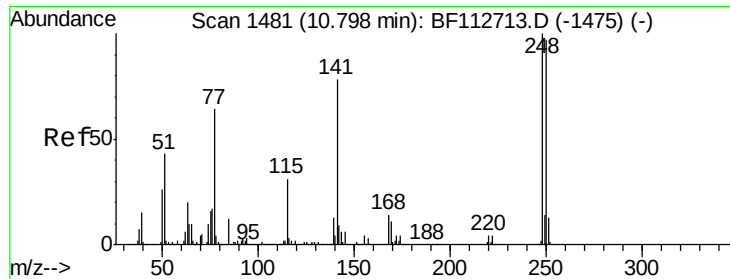


Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BF1

Ion 105.00 (104.70 to 105.70): E

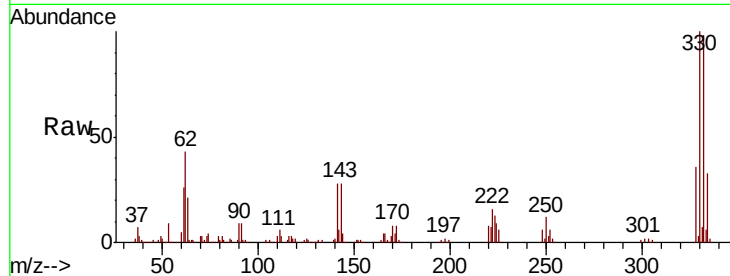




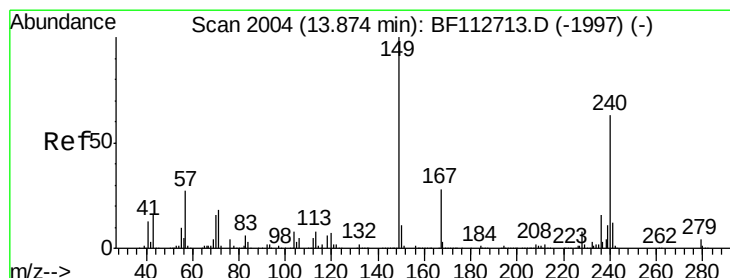
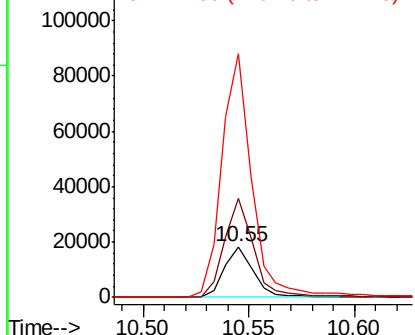
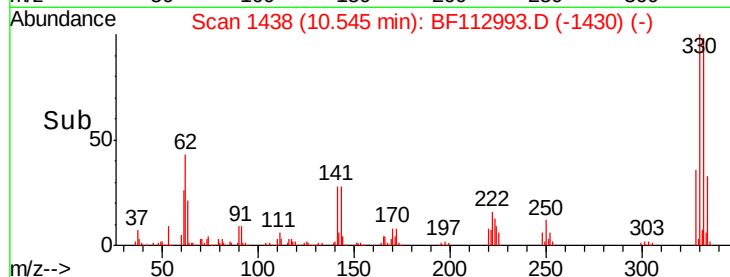
#67
4-Bromophenyl-phenylether
Concen: 2.640 ng
RT: 10.55 min Scan# 1438
Delta R.T. -0.25 min
Lab File: BF112993.D
Acq: 12 Mar 2019 9:25

Instrument :
BNA_F
ClientSampled :

Tot Ion:248 Resp: 17356
Ion Ratio Lower Upper
248 100
250 193.6 77.5 116.3#
141 477.9 62.4 93.6#

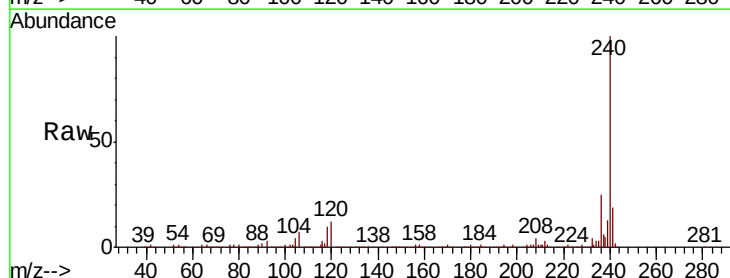


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

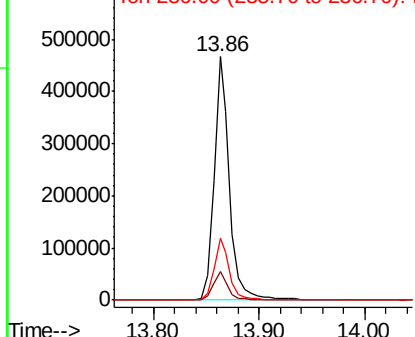
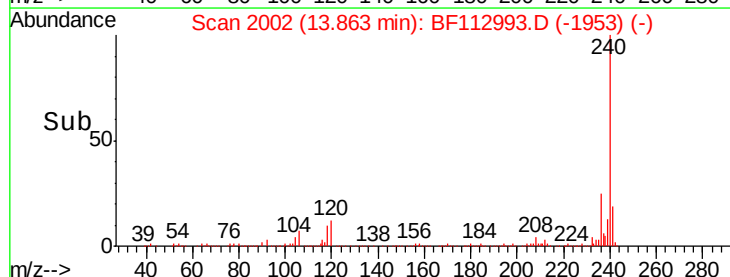


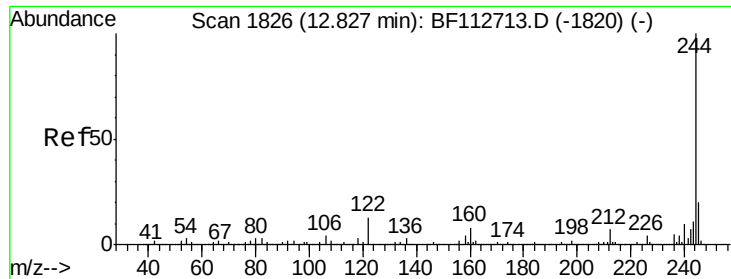
#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.86 min Scan# 2002
Delta R.T. -0.01 min
Lab File: BF112993.D
Acq: 12 Mar 2019 9:25

Tgt Ion:240 Resp: 476272
Ion Ratio Lower Upper
240 100
120 11.6 8.9 13.3
236 25.4 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: 49.171 ng

RT: 12.82 min Scan# 1825

Delta R.T. -0.01 min

Lab File: BF112993.D

Acq: 12 Mar 2019 9:25

Instrument :

BNA_F

ClientSampleId :

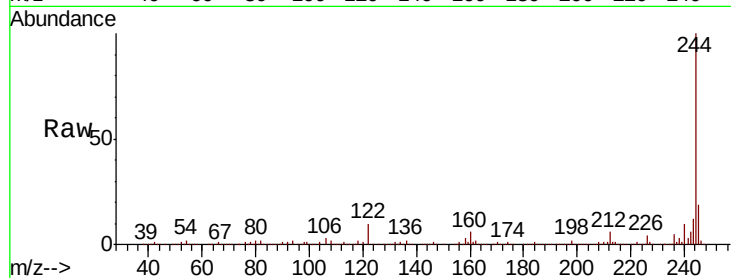
Tot Ion:244 Resp: 1208090

Ion Ratio Lower Upper

244 100

212 6.1 5.6 8.4

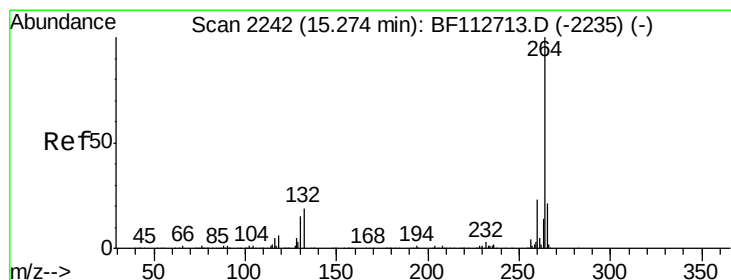
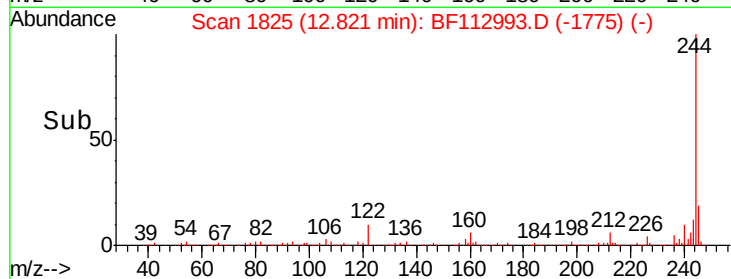
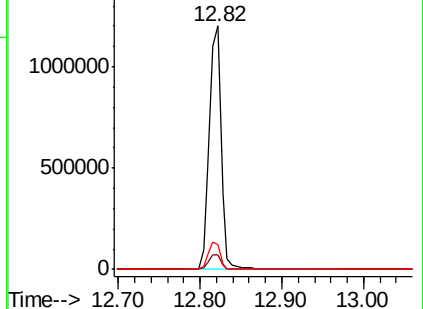
122 10.0 10.5 15.7#



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: BF112993.D

Acq: 12 Mar 2019 9:25

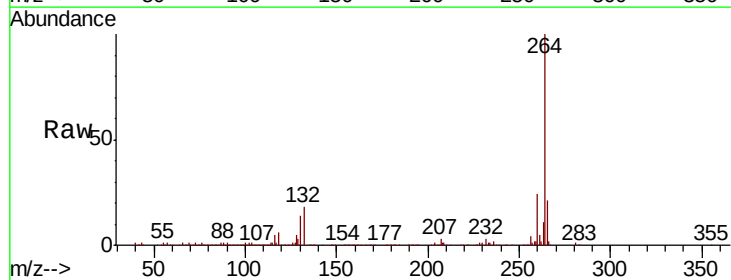
Tgt Ion:264 Resp: 380690

Ion Ratio Lower Upper

264 100

260 24.0 18.7 28.1

265 21.4 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

