

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF031119\
 Data File : BF112994.D
 Acq On : 12 Mar 2019 9:54
 Operator : JU/SJ
 Sample : K1817-13
 Misc :
 ALS Vial : 40 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Mar 12 12:00:19 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

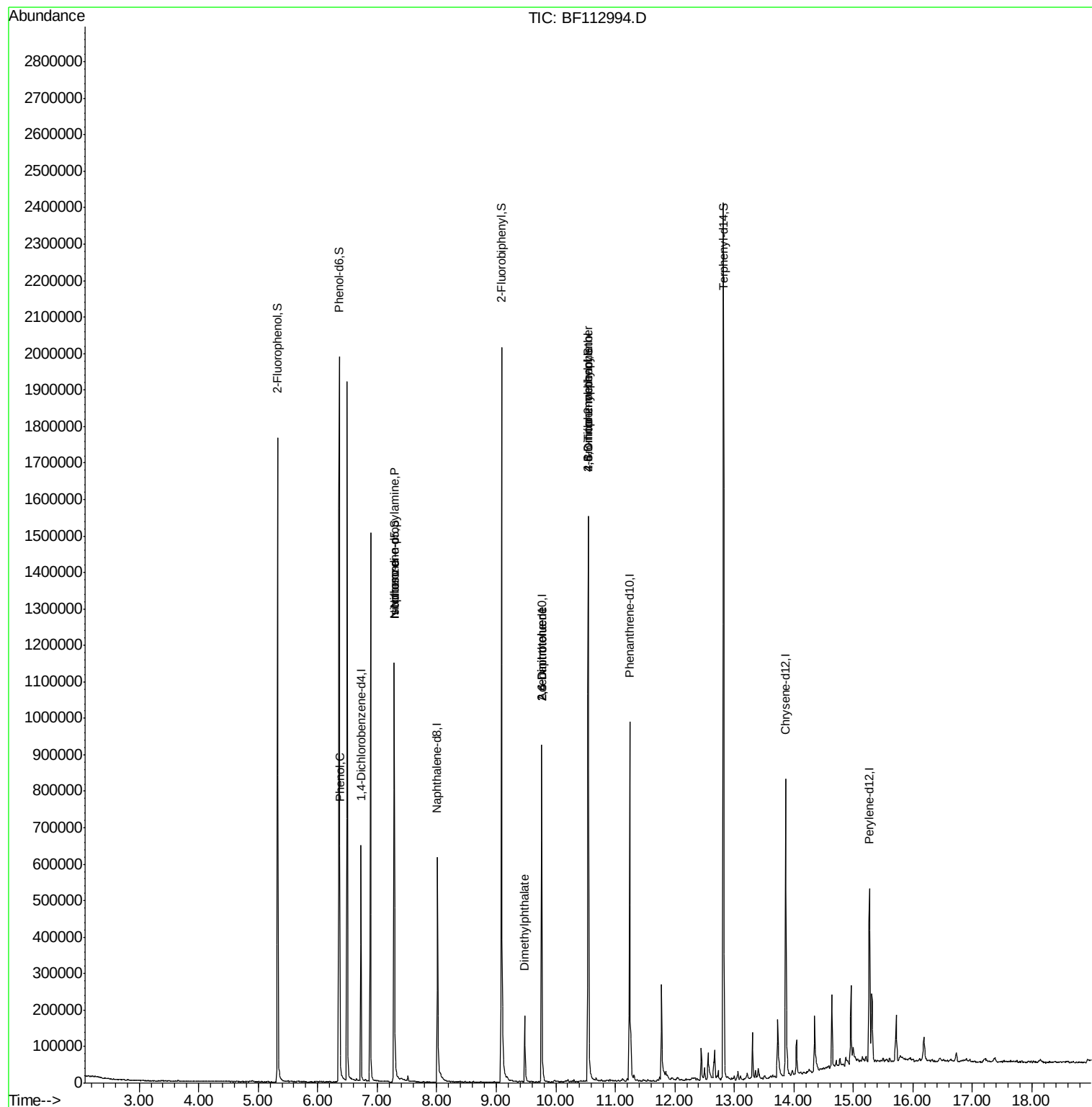
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.73	152	89844	20.00	ng	-0.01
21) Naphthalene-d8	8.01	136	360944	20.00	ng	-0.01
39) Acenaphthene-d10	9.76	164	193758	20.00	ng	0.00
64) Phenanthrene-d10	11.24	188	415596	20.00	ng	0.00
76) Chrysene-d12	13.86	240	310602	20.00	ng	-0.01
87) Perylene-d12	15.27	264	247034	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.33	112	494414	85.60	ng	-0.02
7) Phenol-d6	6.36	99	672322	92.67	ng	0.00
23) Nitrobenzene-d5	7.29	82	375260	62.21	ng	-0.02
42) 2,4,6-Tribromophenol	10.55	330	222055	107.95	ng	-0.01
45) 2-Fluorobiphenyl	9.09	172	738148	58.05	ng	-0.01
79) Terphenyl-d14	12.82	244	827030	51.62	ng	-0.01
Target Compounds						
10) Phenol	6.37	94	20256	2.393	ng	93
19) n-Nitroso-di-n-propylamine	7.29	70	49158	10.698	ng	# 76
25) Isophorone	7.29	82	375257	28.877	ng	# 66
50) Dimethylphthalate	9.48	163	86034	6.022	ng	97
51) 2,6-Dinitrotoluene	9.76	165	24389	8.198	ng	# 17
57) 2,4-Dinitrotoluene	9.76	165	24389	6.595	ng	# 17
65) 4,6-Dinitro-2-methylphenol	10.55	198	268	4.755	ng	# 1
67) 4-Bromophenyl-phenylether	10.55	248	12313	2.813	ng	# 1

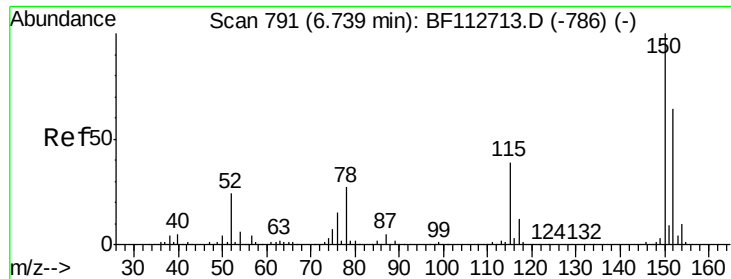
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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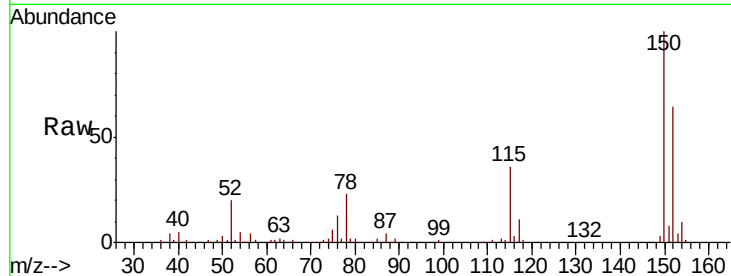


#1

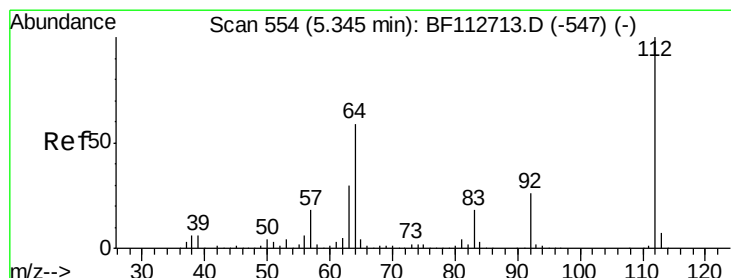
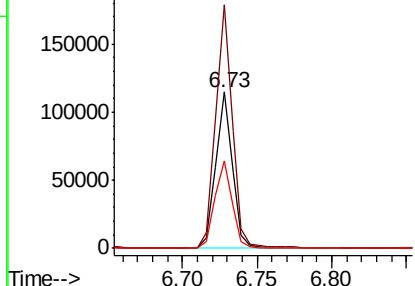
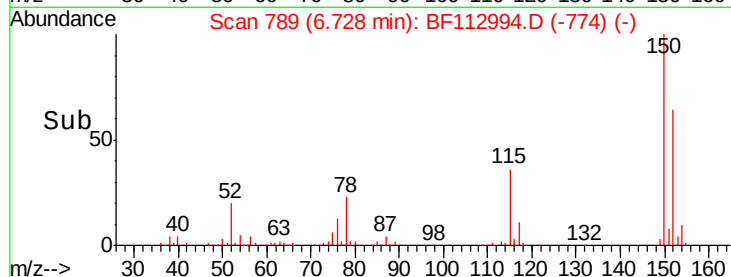
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.73 min Scan# 789
Delta R.T. -0.01 min
Lab File: BF112994.D
Acq: 12 Mar 2019 9:54

Instrument :
BNA_F
ClientSampled :

Tot Ion:152 Resp: 89844
Ion Ratio Lower Upper
152 100
150 155.9 124.2 186.2
115 56.1 48.2 72.4



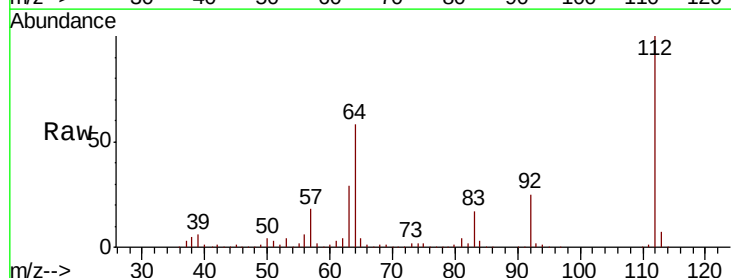
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



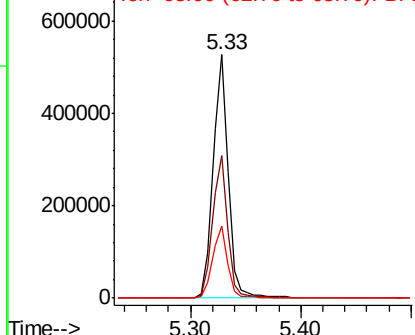
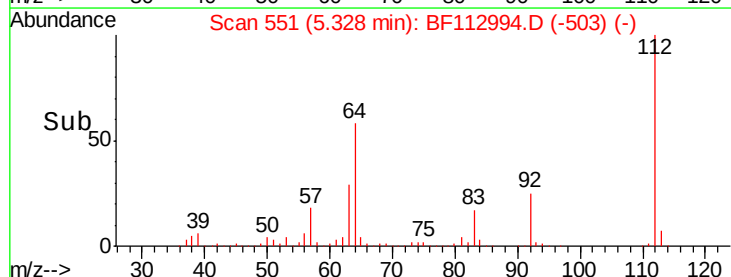
#5

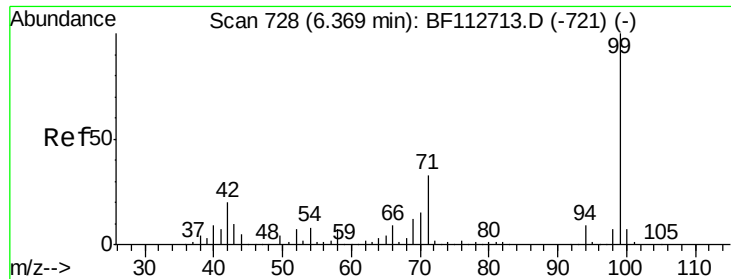
2-Fluorophenol
Concen: 85.602 ng
RT: 5.33 min Scan# 551
Delta R.T. -0.02 min
Lab File: BF112994.D
Acq: 12 Mar 2019 9:54

Tgt Ion:112 Resp: 494414
Ion Ratio Lower Upper
112 100
64 58.4 47.6 71.4
63 29.4 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: 92.667 ng

RT: 6.36 min Scan# 727

Delta R.T. -0.01 min

Lab File: BF112994.D

Acq: 12 Mar 2019 9:54

Instrument :

BNA_F

ClientSampled :

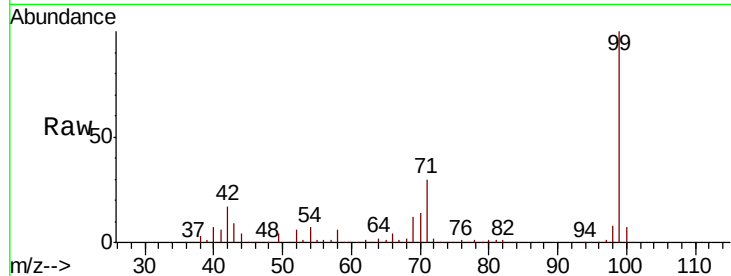
Tot Ion: 99 Resp: 672322

Ion Ratio Lower Upper

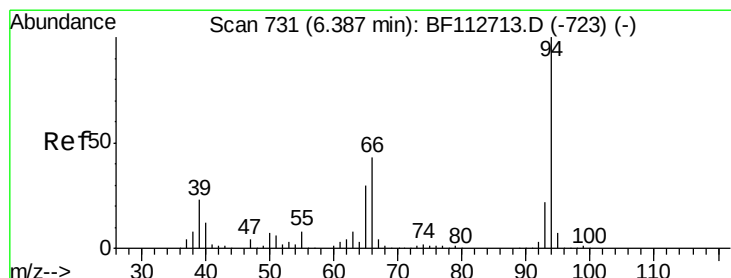
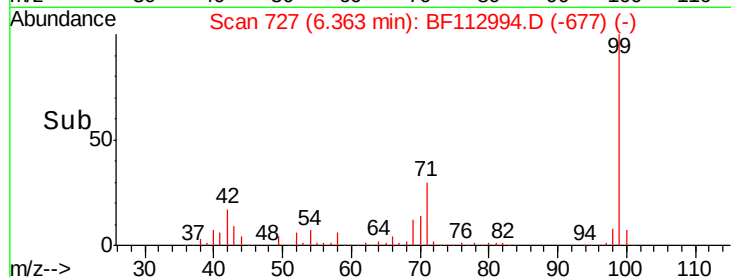
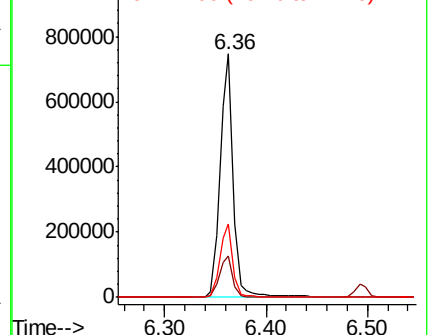
99 100

42 16.9 16.3 24.5

71 30.0 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: 2.393 ng

RT: 6.37 min Scan# 729

Delta R.T. -0.01 min

Lab File: BF112994.D

Acq: 12 Mar 2019 9:54

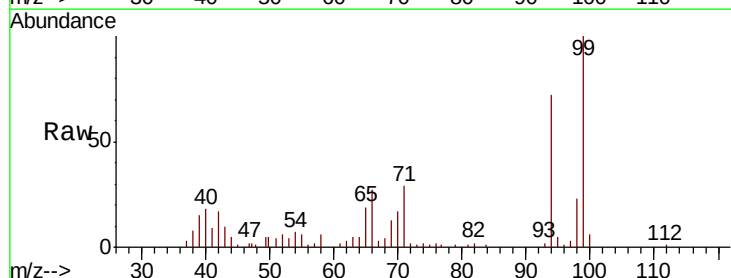
Tgt Ion: 94 Resp: 20256

Ion Ratio Lower Upper

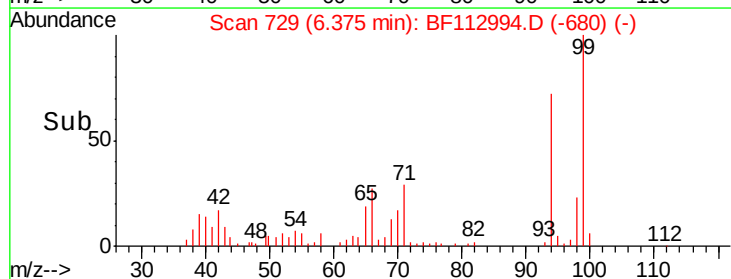
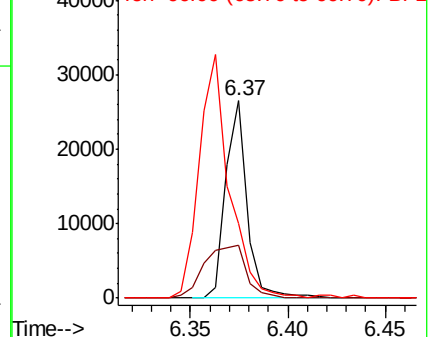
94 100

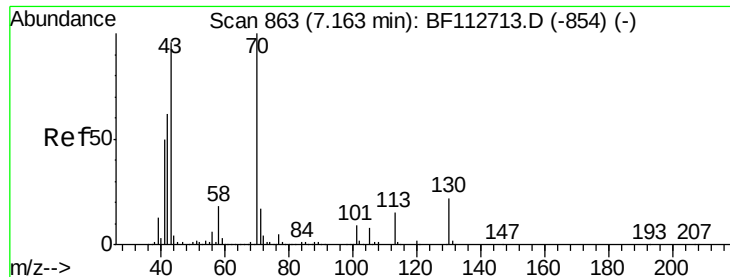
65 26.6 10.5 50.5

66 38.0 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

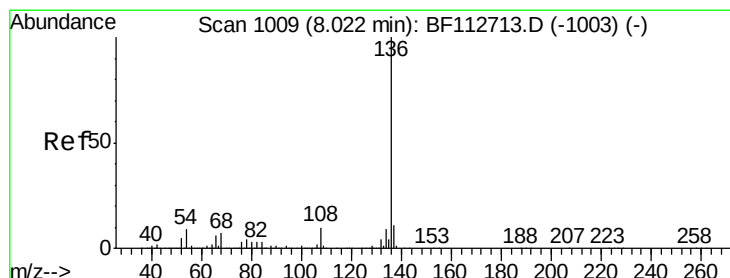
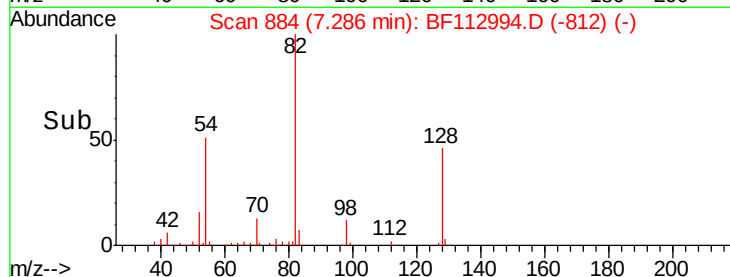
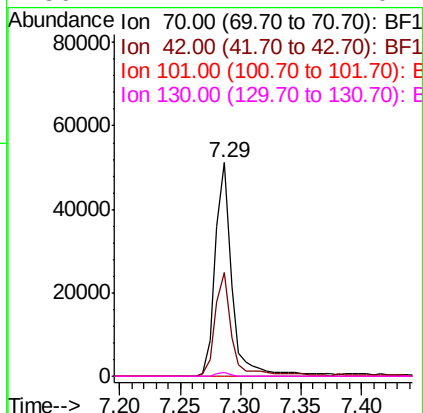
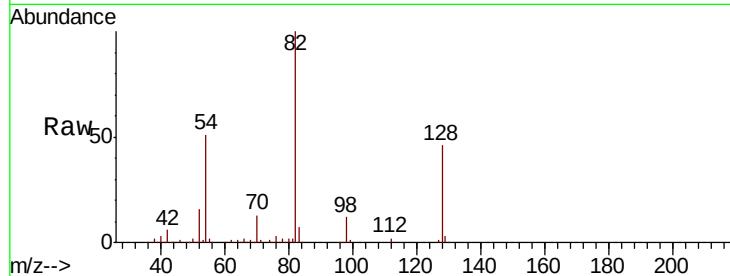




#19
n-Nitroso-di-n-propylamine
Concen: 10.698 ng
RT: 7.29 min Scan# 884
Delta R.T. 0.12 min
Lab File: BF112994.D
Acq: 12 Mar 2019 9:54

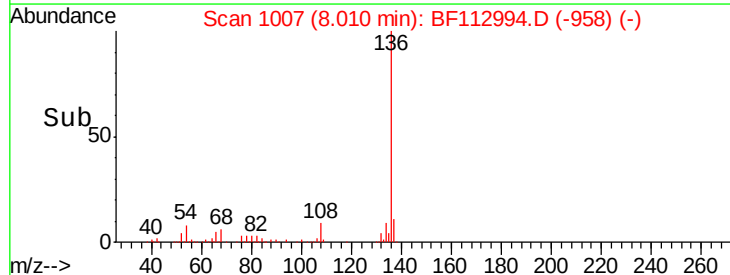
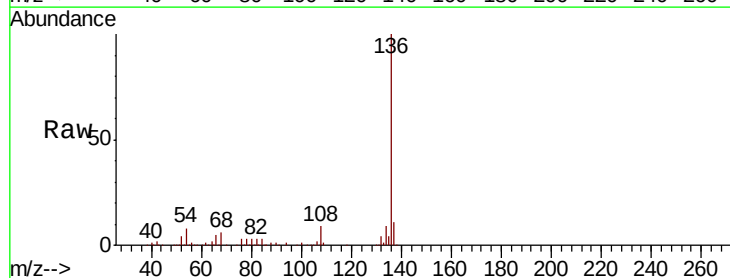
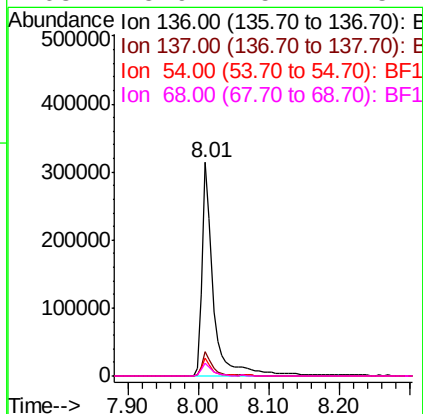
Instrument :
BNA_F
ClientSampleId :

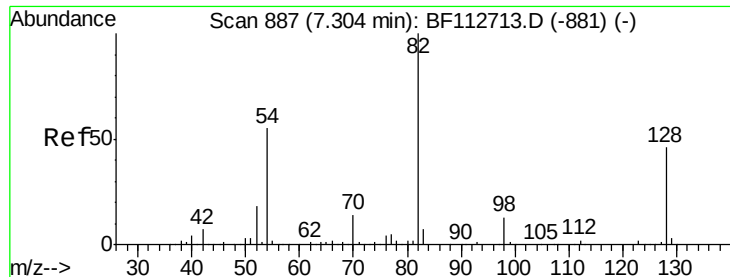
Tot Ion	Ratio	Lower	Upper
70	100		
42	48.3	49.9	74.9#
101	0.0	7.4	11.2#
130	2.1	17.4	26.2#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.01 min Scan# 1007
Delta R.T. -0.01 min
Lab File: BF112994.D
Acq: 12 Mar 2019 9:54

Tgt Ion	Ratio	Lower	Upper
136	100		
137	11.2	8.9	13.3
54	8.2	7.3	10.9
68	5.9	5.4	8.2

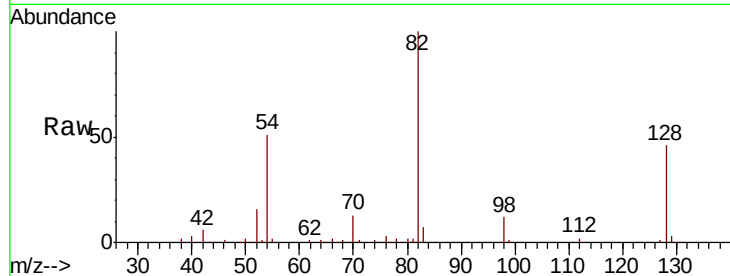




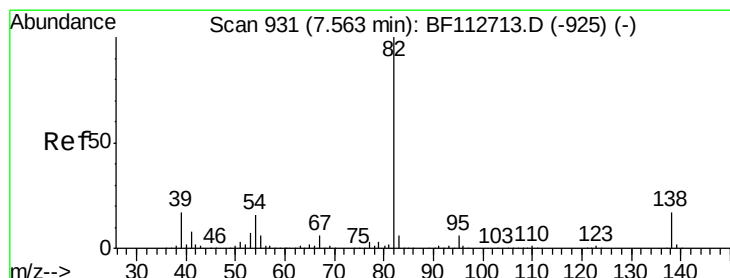
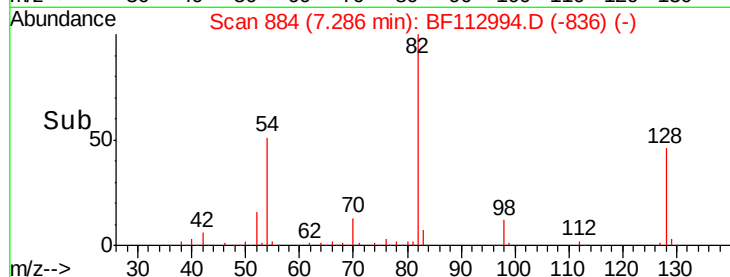
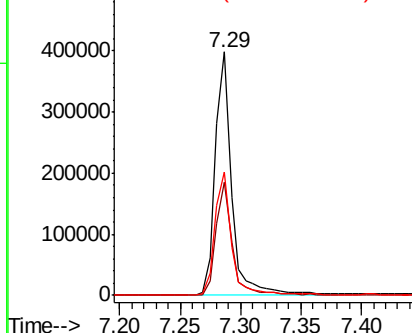
#23
Nitrobenzene-d5
Concen: 62.211 ng
RT: 7.29 min Scan# 884
Delta R.T. -0.02 min
Lab File: BF112994.D
Acq: 12 Mar 2019 9:54

Instrument :
BNA_F
ClientSampleId :

Tot Ion	82	Resp	375260
Ion Ratio	Lower	Upper	
82	100		
128	46.4	36.3	54.5
54	50.5	43.7	65.5

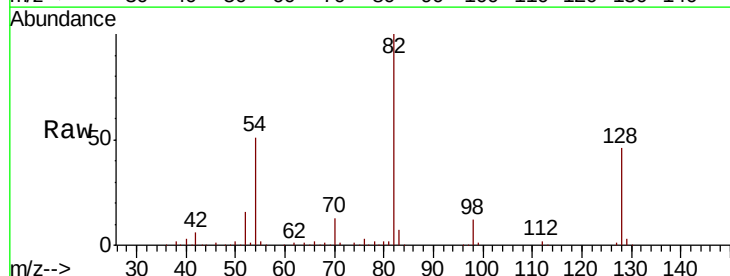


Abundance Ion 82.00 (81.70 to 82.70): BF1
Ion 128.00 (127.70 to 128.70): BF1
Ion 54.00 (53.70 to 54.70): BF1

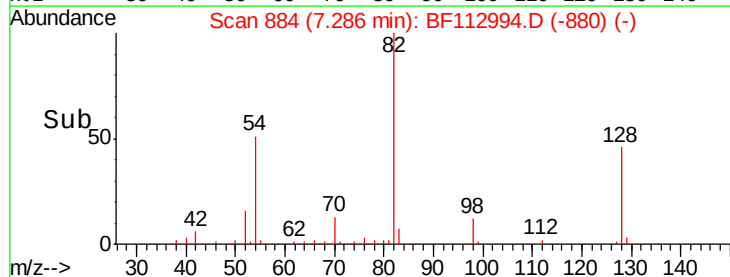
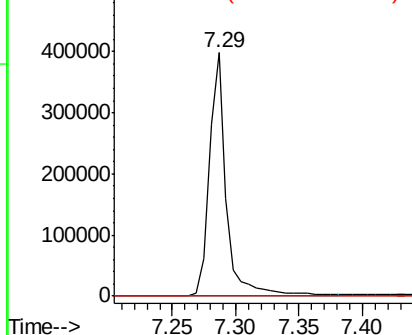


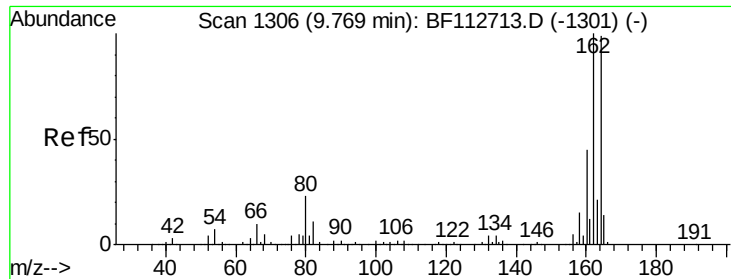
#25
Isophorone
Concen: 28.877 ng
RT: 7.29 min Scan# 884
Delta R.T. -0.28 min
Lab File: BF112994.D
Acq: 12 Mar 2019 9:54

Tgt Ion	82	Resp	375257
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

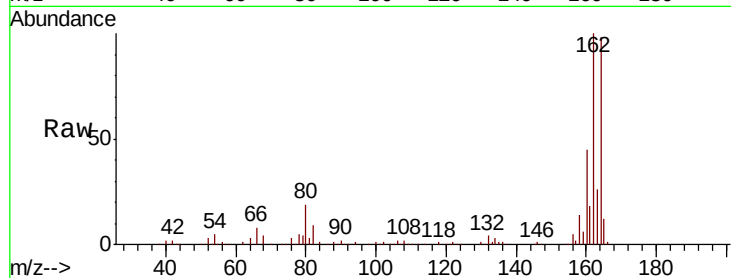




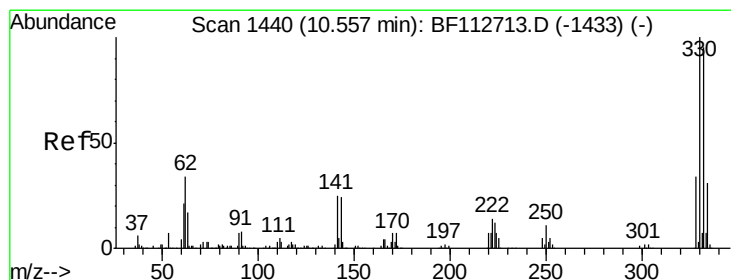
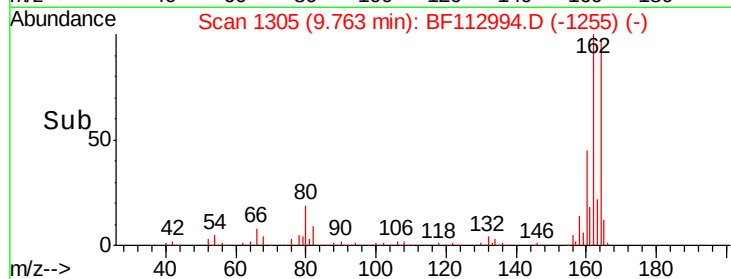
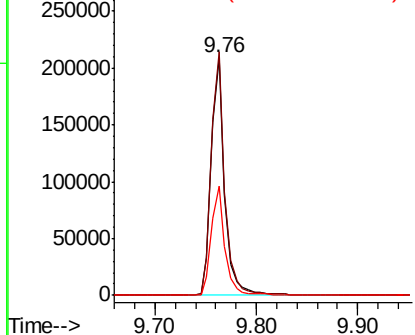
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.76 min Scan# 1305
Delta R.T. -0.01 min
Lab File: BF112994.D
Acq: 12 Mar 2019 9:54

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
164	100		
162	102.5	80.6	120.8
160	45.8	36.0	54.0

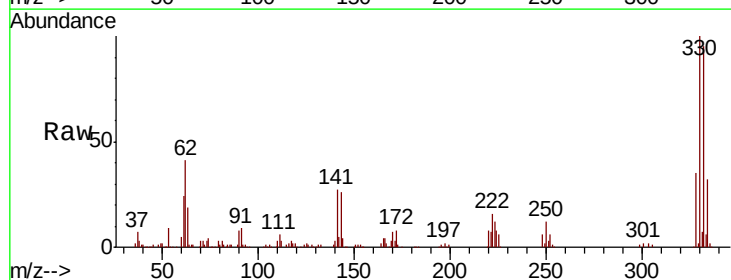


Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E

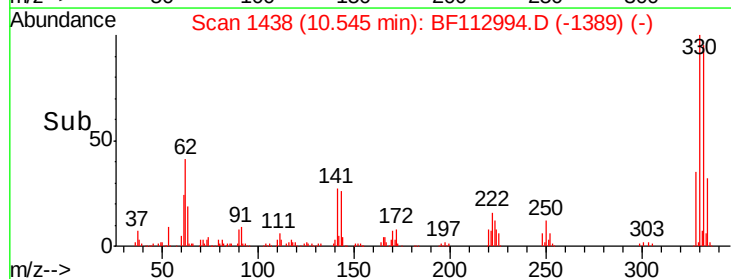
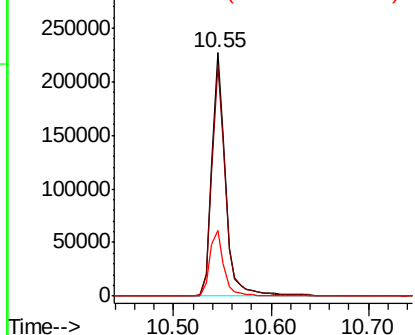


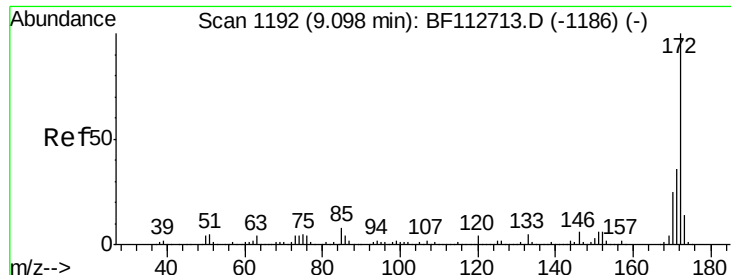
#42
2,4,6-Tribromophenol
Concen: 107.952 ng
RT: 10.55 min Scan# 1438
Delta R.T. -0.01 min
Lab File: BF112994.D
Acq: 12 Mar 2019 9:54

Tgt Ion	Ratio	Lower	Upper
330	100		
332	95.7	76.2	114.4
141	28.2	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

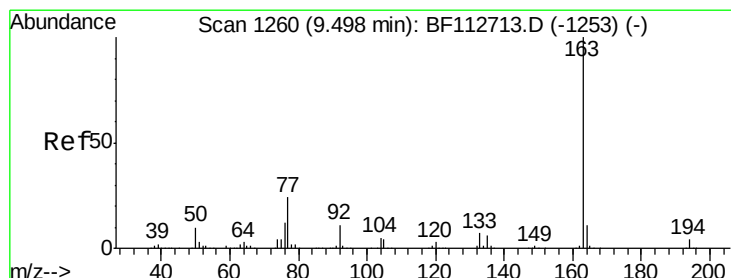
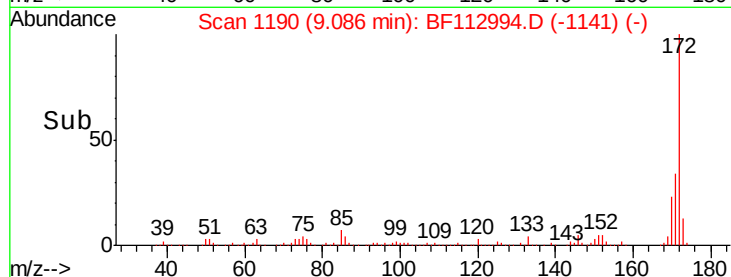
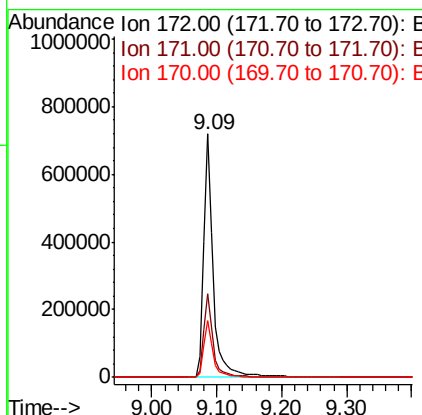
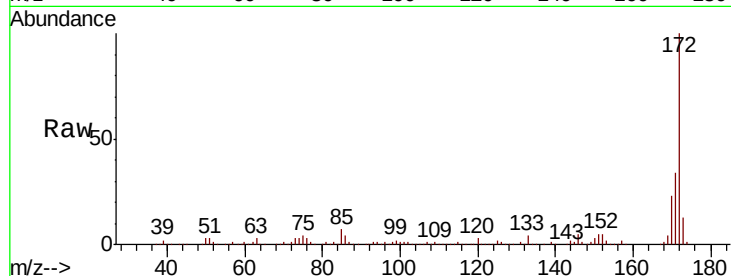




#45
2-Fluorobiphenyl
Concen: 58.050 ng
RT: 9.09 min Scan# 1190
Delta R.T. -0.01 min
Lab File: BF112994.D
Acq: 12 Mar 2019 9:54

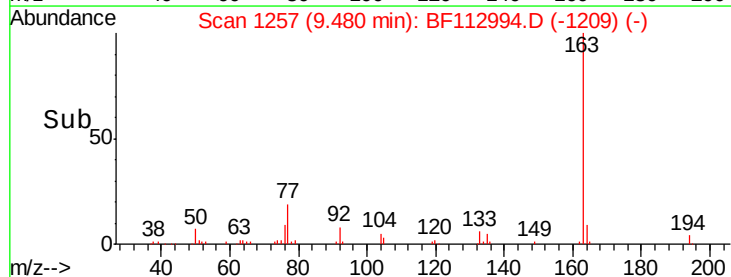
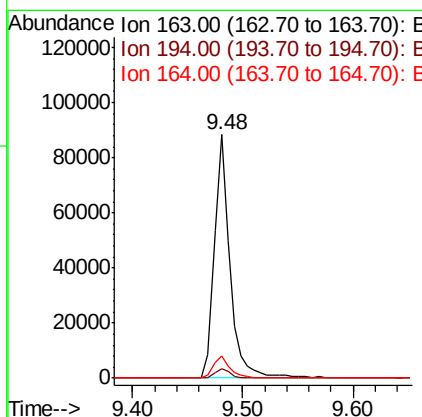
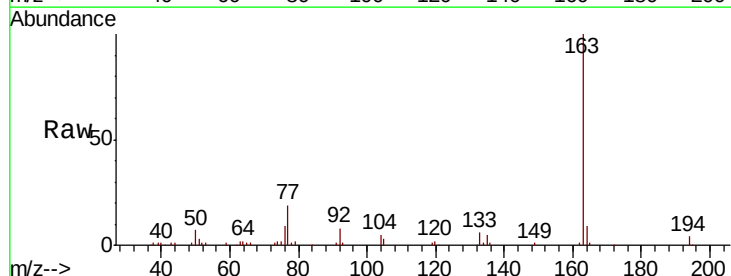
Instrument :
BNA_F
ClientSampled :

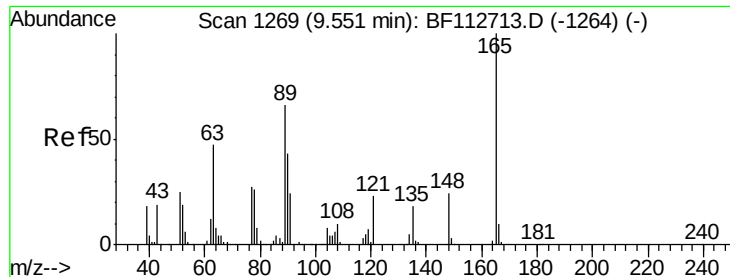
Tot Ion	Ratio	Lower	Upper
172	100		
171	34.4	29.0	43.4
170	23.1	20.0	30.0



#50
Dimethylphthalate
Concen: 6.022 ng
RT: 9.48 min Scan# 1257
Delta R.T. -0.02 min
Lab File: BF112994.D
Acq: 12 Mar 2019 9:54

Tgt Ion	Ratio	Lower	Upper
163	100		
194	3.7	3.0	4.4
164	9.0	8.4	12.6

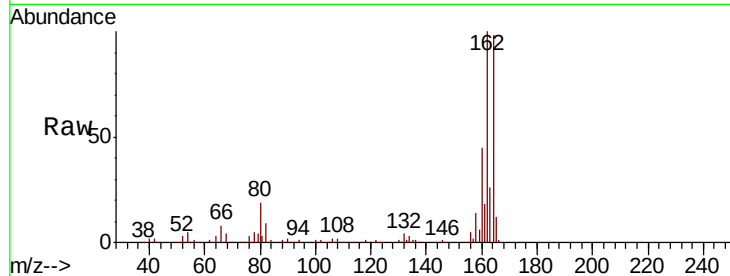




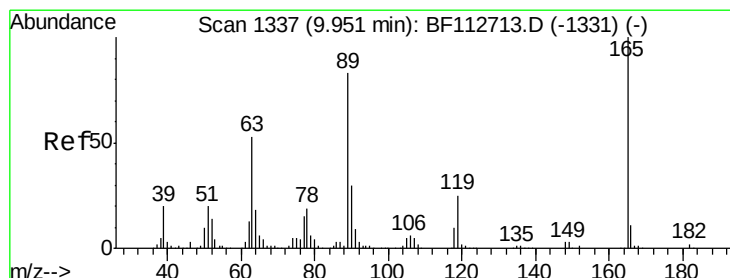
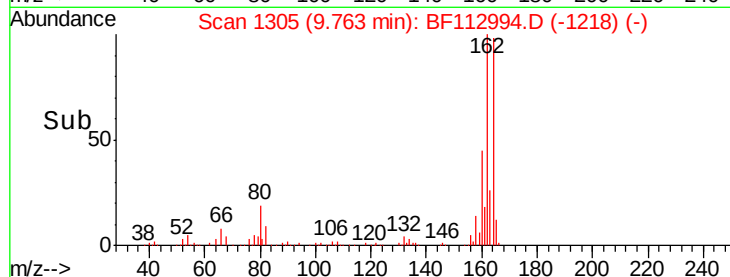
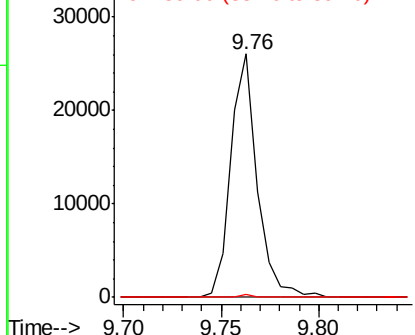
#51
 2,6-Dinitrotoluene
 Concen: 8.198 ng
 RT: 9.76 min Scan# 1305
 Delta R.T. 0.21 min
 Lab File: BF112994.D
 Acq: 12 Mar 2019 9:54

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
165	100		
63	0.0	54.1	81.1#
89	1.2	52.8	79.2#



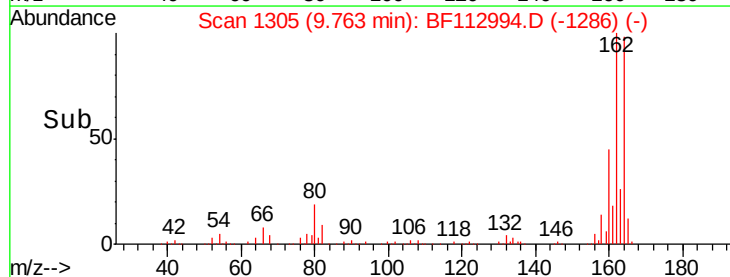
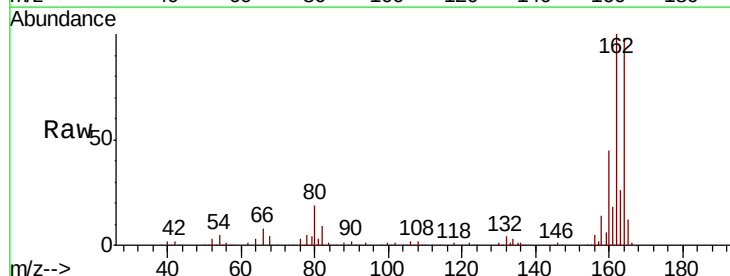
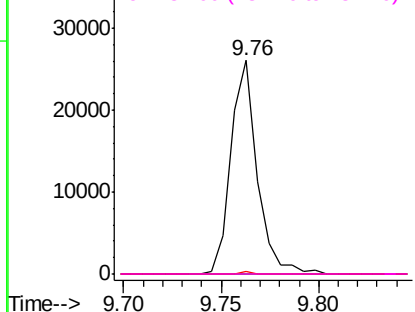
Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BF1
 Ion 89.00 (88.70 to 89.70): BF1

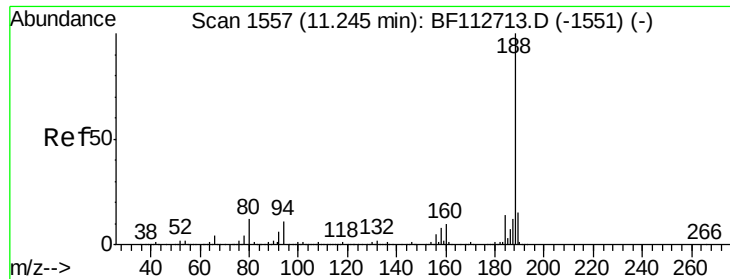


#57
 2,4-Dinitrotoluene
 Concen: 6.595 ng
 RT: 9.76 min Scan# 1305
 Delta R.T. -0.19 min
 Lab File: BF112994.D
 Acq: 12 Mar 2019 9:54

Tgt Ion	Ratio	Lower	Upper
165	100		
63	0.0	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: 11.24 min Scan# 1556

Delta R.T. -0.01 min

Lab File: BF112994.D

Acq: 12 Mar 2019 9:54

Instrument :

BNA_F

ClientSampleId :

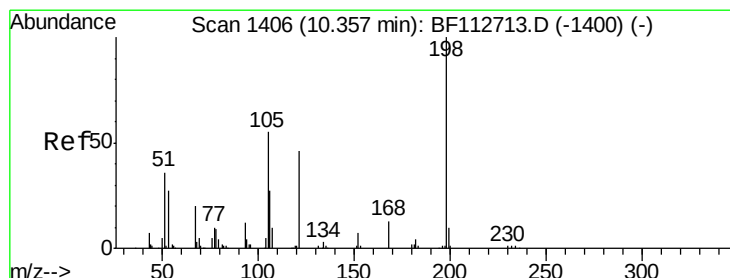
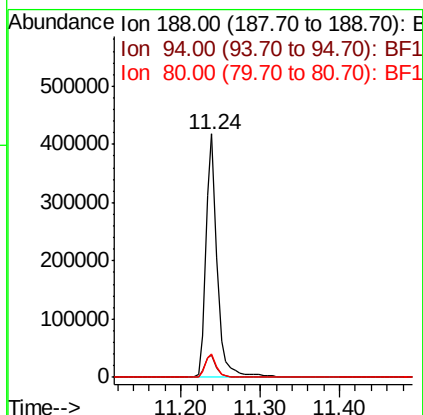
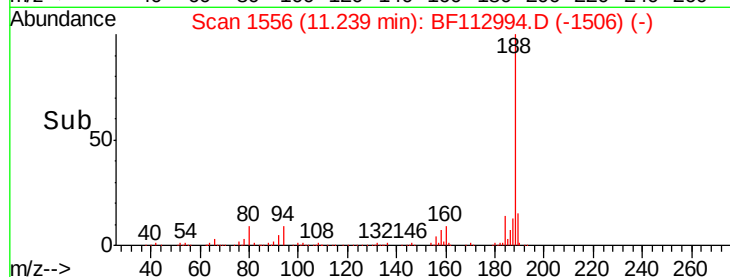
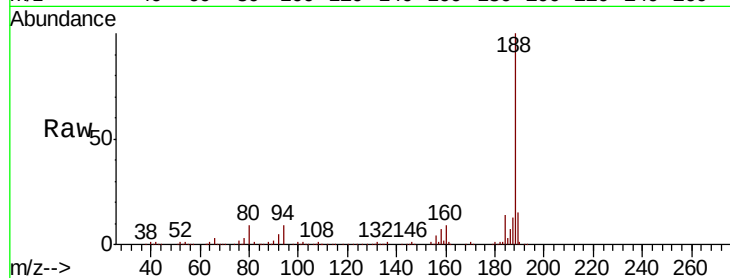
Tot Ion:188 Resp: 415596

Ion Ratio Lower Upper

188 100

94 9.3 9.0 13.4

80 9.4 9.2 13.8



#65

4,6-Dinitro-2-methylphenol

Concen: 4.755 ng

RT: 10.55 min Scan# 1438

Delta R.T. 0.19 min

Lab File: BF112994.D

Acq: 12 Mar 2019 9:54

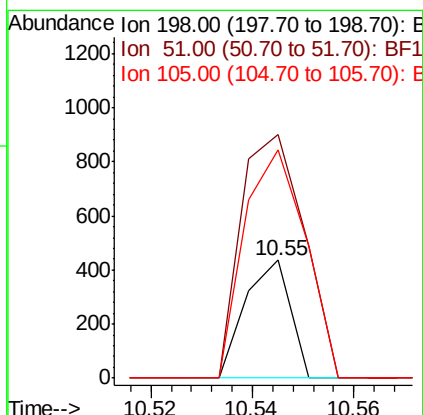
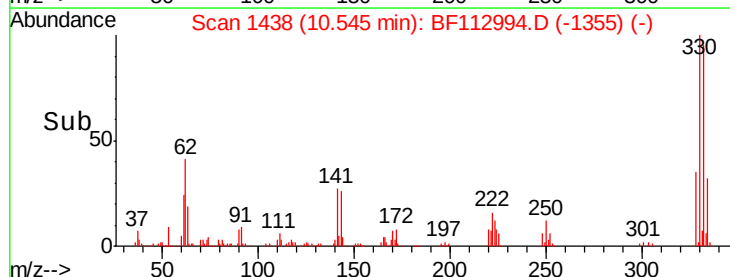
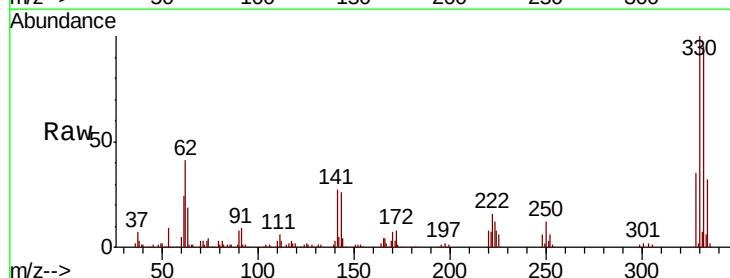
Tgt Ion:198 Resp: 268

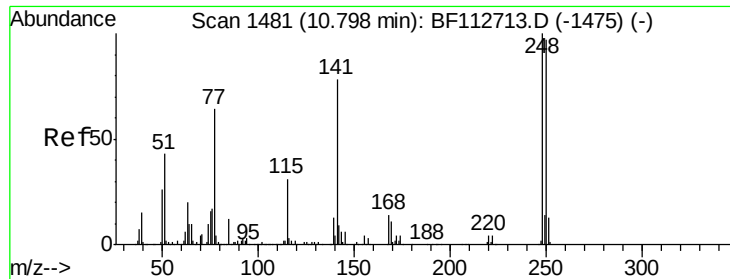
Ion Ratio Lower Upper

198 100

51 206.7 43.8 83.8#

105 194.0 36.5 76.5#

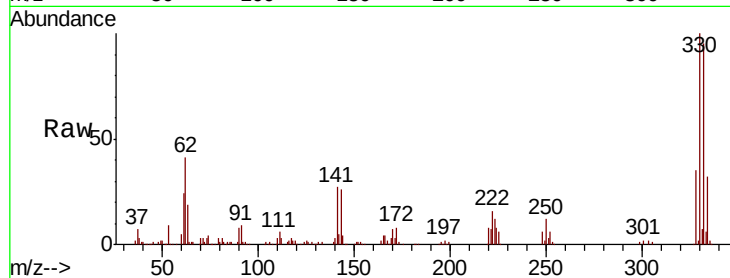




#67
 4-Bromophenyl-phenylether
 Concen: 2.813 ng
 RT: 10.55 min Scan# 1438
 Delta R.T. -0.25 min
 Lab File: BF112994.D
 Acq: 12 Mar 2019 9:54

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
248	100		
250	197.3	77.5	116.3#
141	458.5	62.4	93.6#

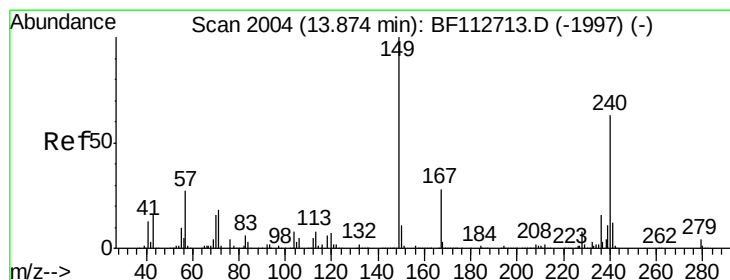
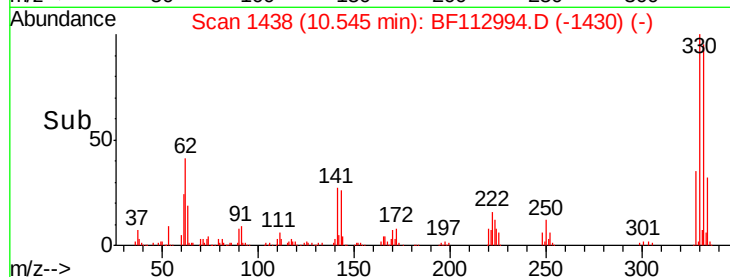
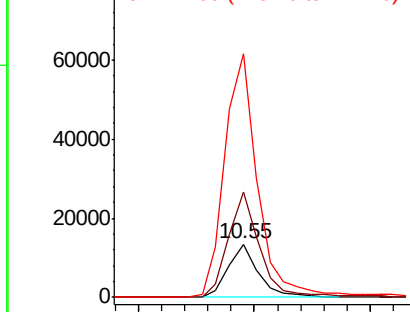


Abundance

Ion 248.00 (247.70 to 248.70): E

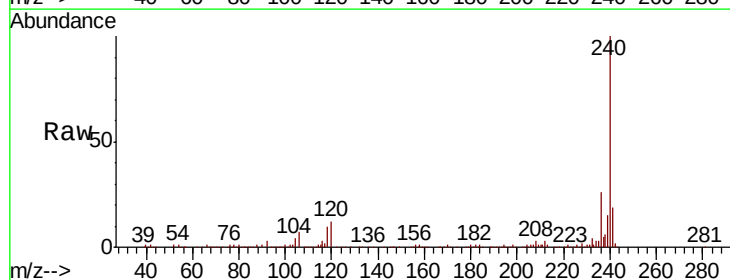
Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E



#76
 Chrysene-d12
 Concen: 20.000 ng
 RT: 13.86 min Scan# 2002
 Delta R.T. -0.01 min
 Lab File: BF112994.D
 Acq: 12 Mar 2019 9:54

Tgt Ion	Ratio	Lower	Upper
240	100		
120	11.5	8.9	13.3
236	26.2	20.7	31.1

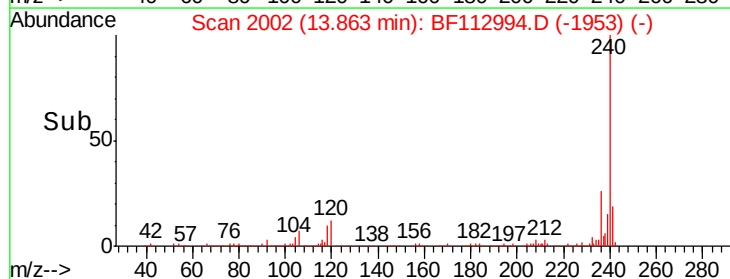
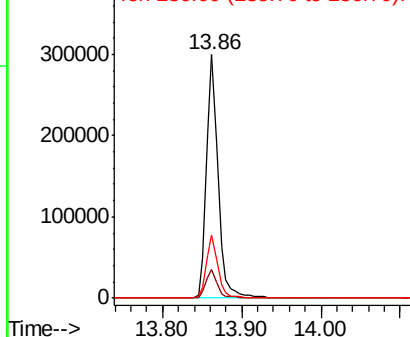


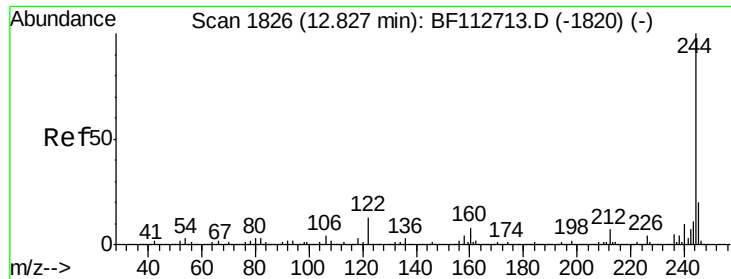
Abundance

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

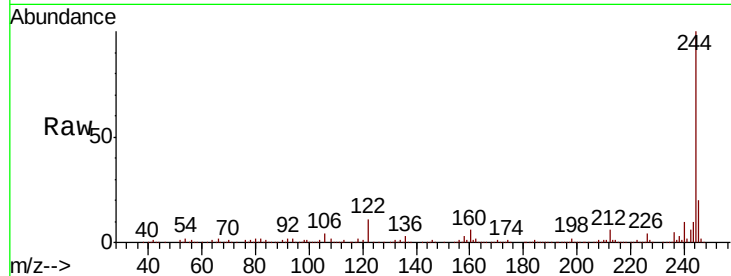




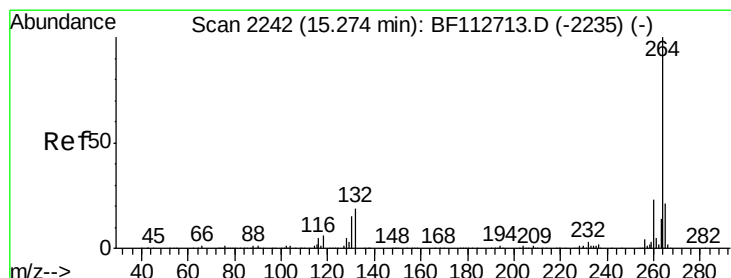
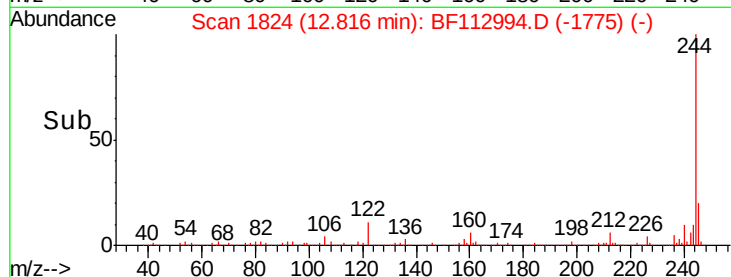
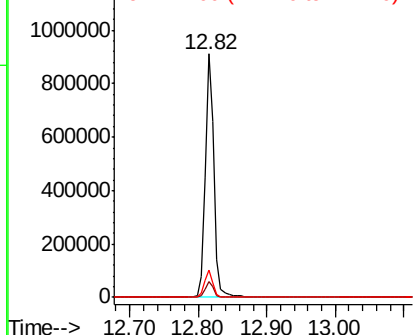
#79
 Terphenyl-d14
 Concen: 51.616 ng
 RT: 12.82 min Scan# 1824
 Delta R.T. -0.01 min
 Lab File: BF112994.D
 Acq: 12 Mar 2019 9:54

Instrument :
 BNA_F
 ClientSampled :

Tot Ion:244 Resp: 827030
 Ion Ratio Lower Upper
 244 100
 212 6.4 5.6 8.4
 122 11.5 10.5 15.7

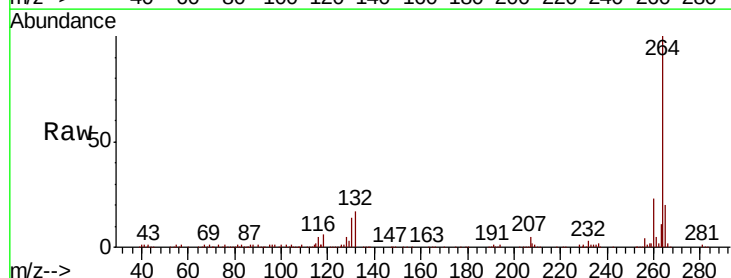


Abundance Ion 244.00 (243.70 to 244.70): E
 Ion 212.00 (211.70 to 212.70): E
 Ion 122.00 (121.70 to 122.70): E



#87
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.27 min Scan# 2241
 Delta R.T. -0.01 min
 Lab File: BF112994.D
 Acq: 12 Mar 2019 9:54

Tgt Ion:264 Resp: 247034
 Ion Ratio Lower Upper
 264 100
 260 22.9 18.7 28.1
 265 20.1 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

