

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF032019\
 Data File : BF113193.D
 Acq On : 21 Mar 2019 2:54
 Operator : JU/SJ
 Sample : K1943-16
 Misc :
 ALS Vial : 30 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Mar 21 12:25:05 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	129060	20.00	ng	0.00
21) Naphthalene-d8	8.00	136	496252	20.00	ng	0.00
39) Acenaphthene-d10	9.76	164	240715	20.00	ng	0.00
64) Phenanthrene-d10	11.23	188	456054	20.00	ng	0.00
76) Chrysene-d12	13.86	240	401418	20.00	ng	0.00
87) Perylene-d12	15.27	264	298741	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.35	112	792993	95.58	ng	0.01
7) Phenol-d6	6.37	99	848492	81.41	ng	0.00
23) Nitrobenzene-d5	7.29	82	677215	81.66	ng	0.00
42) 2,4,6-Tribromophenol	10.55	330	316171	123.72	ng	0.00
45) 2-Fluorobiphenyl	9.08	172	1360074	97.31	ng	0.00
79) Terphenyl-d14	12.82	244	1486526	71.79	ng	0.00

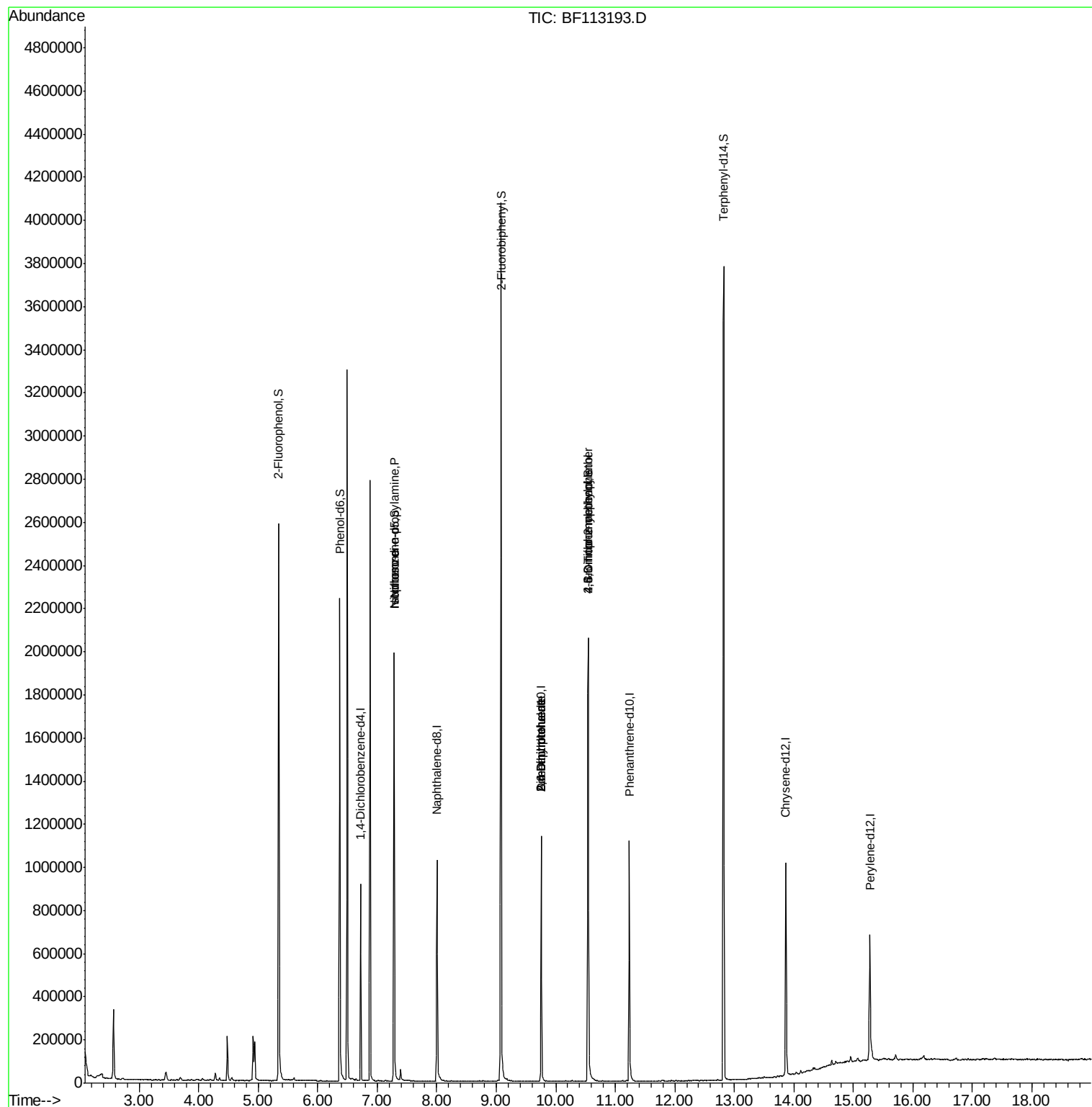
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
19) n-Nitroso-di-n-propylamine	7.29	70	88383	13.390	ng	# 76
25) Isophorone	7.29	82	657086	36.777	ng	# 65
50) Dimethylphthalate	9.76	163	62535	3.523	ng	# 1
51) 2,6-Dinitrotoluene	9.76	165	30273	8.191	ng	# 25
57) 2,4-Dinitrotoluene	9.76	165	30273	6.589	ng	# 23
65) 4,6-Dinitro-2-methylphenol	10.54	198	355	4.784	ng	# 1
67) 4-Bromophenyl-phenylether	10.55	248	18236	3.796	ng	# 1

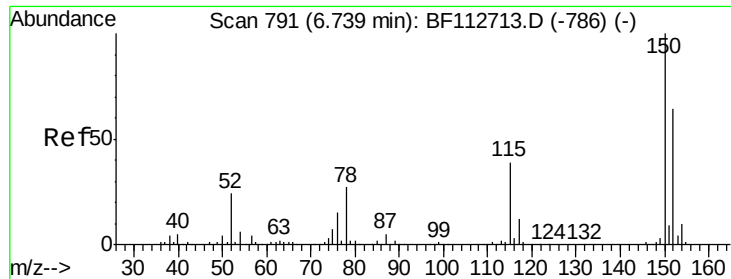
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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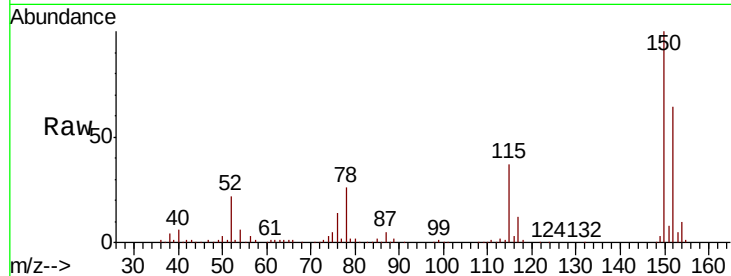


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.72 min Scan# 788
Delta R.T. -0.00 min
Lab File: BF113193.D
Acq: 21 Mar 2019 2:54

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
152	100		
150	157.4	123.0	184.6
115	57.8	45.9	68.9

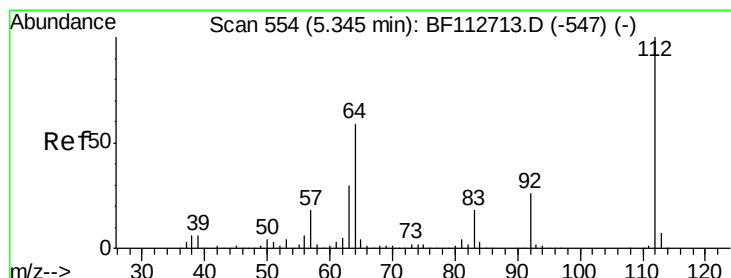
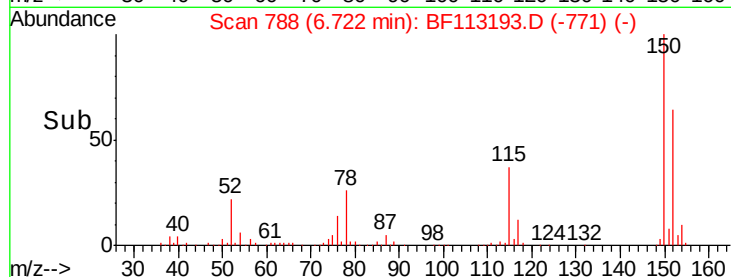
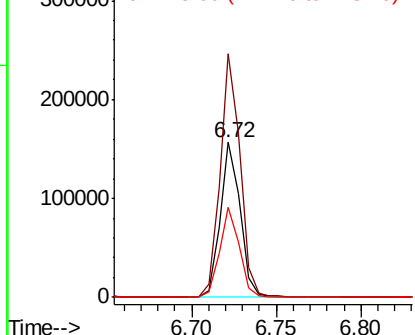


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

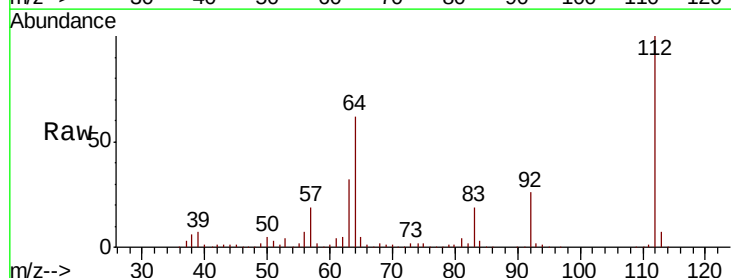
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 95.578 ng
RT: 5.35 min Scan# 554
Delta R.T. 0.01 min
Lab File: BF113193.D
Acq: 21 Mar 2019 2:54

Tgt Ion	Ratio	Lower	Upper
112	100		
64	62.1	49.3	73.9
63	31.7	25.4	38.2

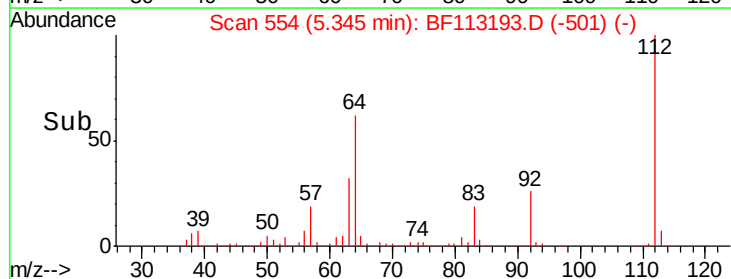
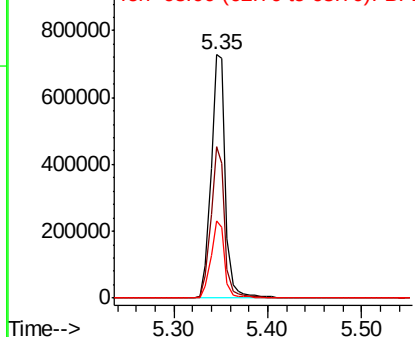


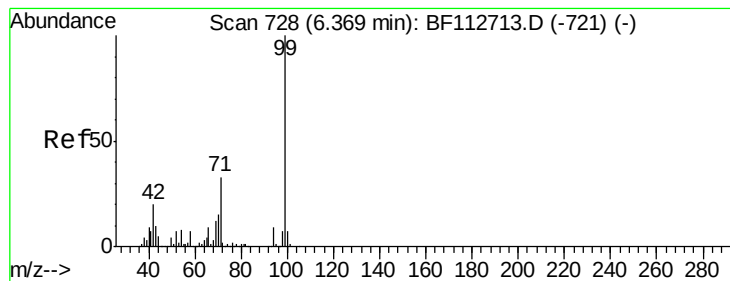
Abundance

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: 81.413 ng

RT: 6.37 min Scan# 728

Delta R.T. -0.01 min

Lab File: BF113193.D

Acq: 21 Mar 2019 2:54

Instrument :

BNA_F

ClientSampled :

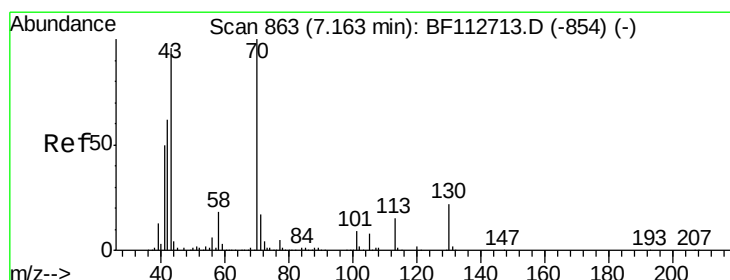
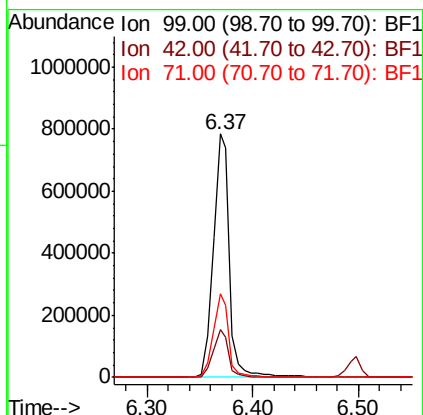
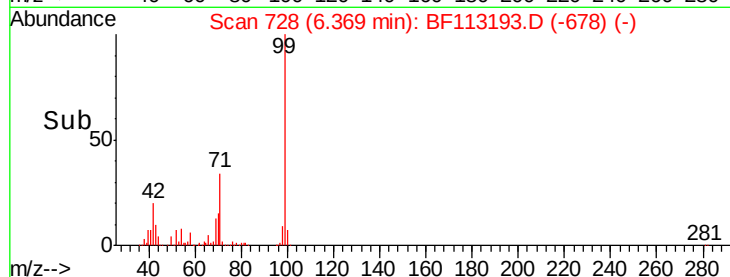
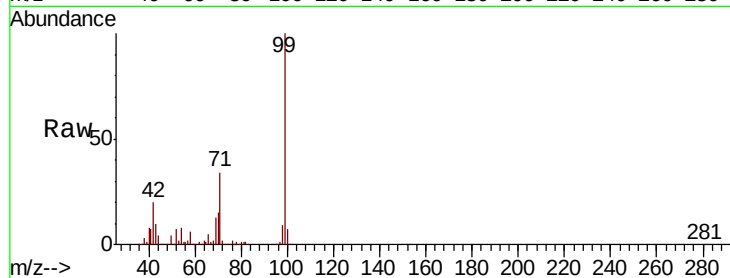
Tot Ion: 99 Resp: 848492

Ion Ratio Lower Upper

99 100

42 19.7 15.2 22.8

71 34.4 25.7 38.5



#19

n-Nitroso-di-n-propylamine

Concen: 13.390 ng

RT: 7.29 min Scan# 884

Delta R.T. 0.14 min

Lab File: BF113193.D

Acq: 21 Mar 2019 2:54

Tgt Ion: 70 Resp: 88383

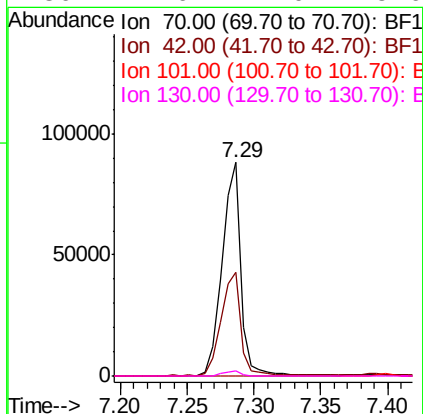
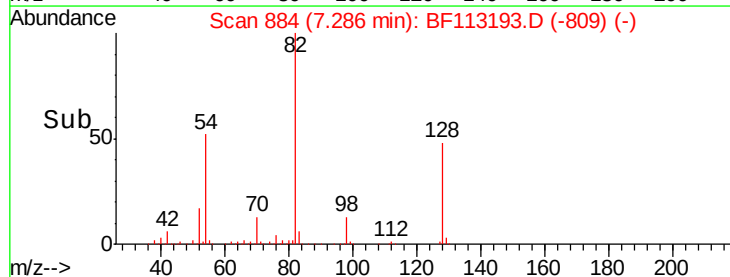
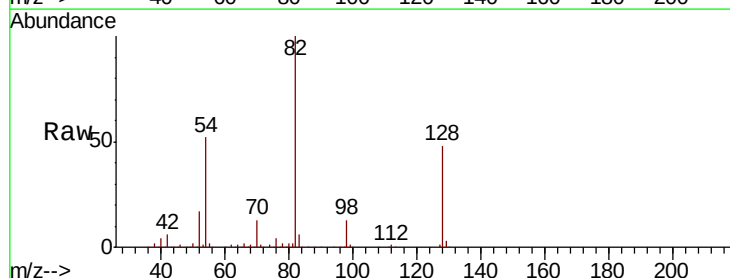
Ion Ratio Lower Upper

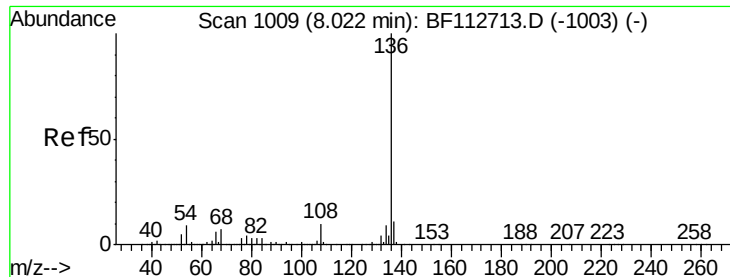
70 100

42 48.6 50.4 75.6#

101 0.0 7.5 11.3#

130 2.6 17.0 25.6#

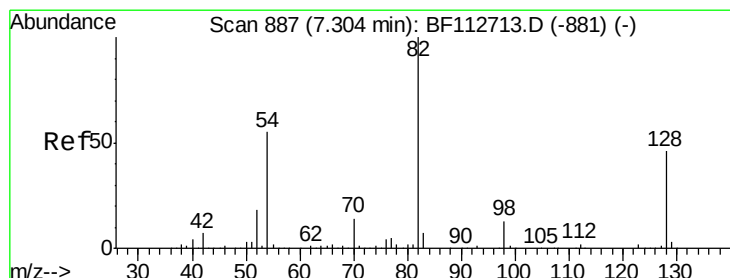
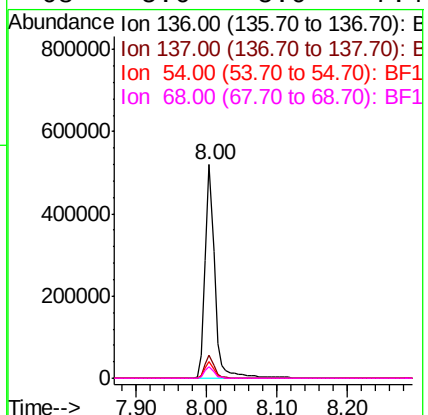
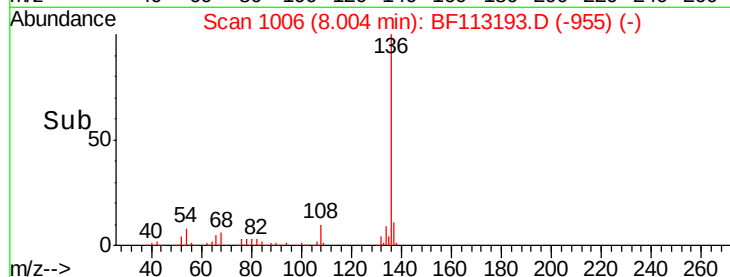
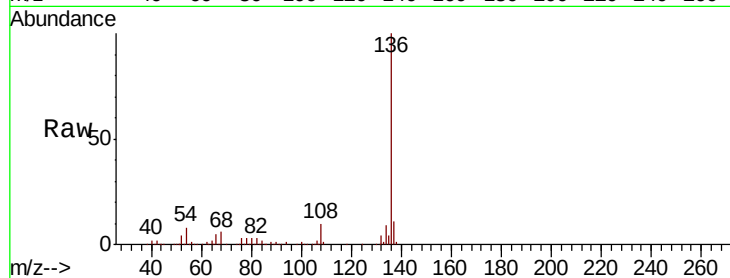




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.00 min Scan# 1006
Delta R.T. -0.00 min
Lab File: BF113193.D
Acq: 21 Mar 2019 2:54

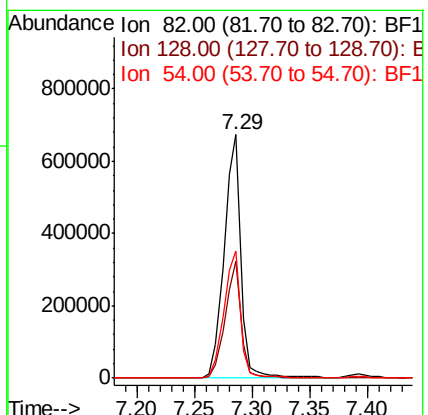
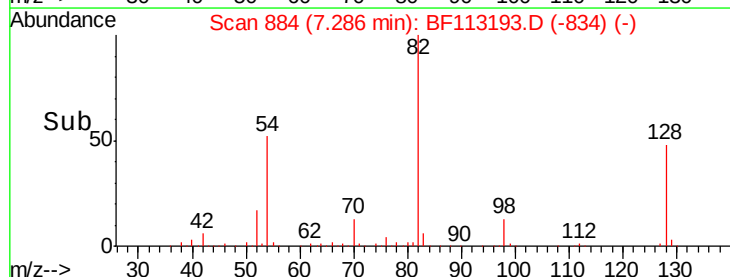
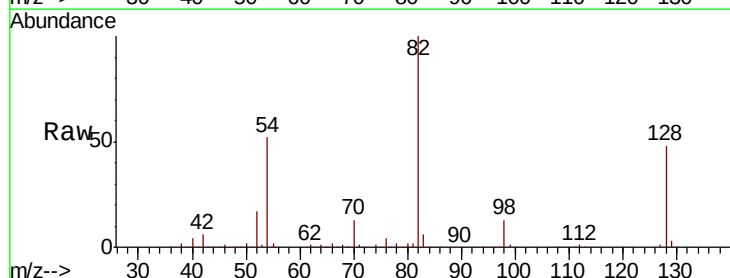
Instrument :
BNA_F
ClientSampleId :

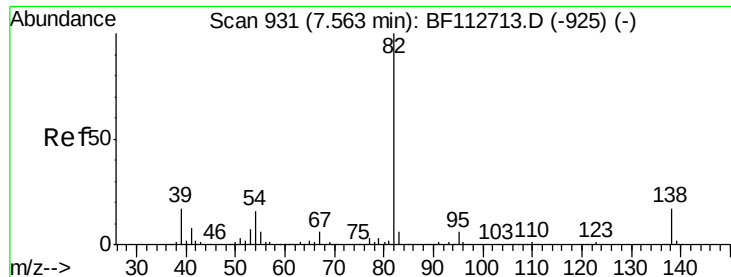
Tot Ion:136	Resp: 496252
Ion Ratio	Lower Upper
136 100	
137 11.1	8.9 13.3
54 8.1	7.0 10.6
68 5.6	5.0 7.4



#23
Nitrobenzene-d5
Concen: 81.658 ng
RT: 7.29 min Scan# 884
Delta R.T. -0.01 min
Lab File: BF113193.D
Acq: 21 Mar 2019 2:54

Tgt Ion: 82	Resp: 677215
Ion Ratio	Lower Upper
82 100	
128 47.9	37.9 56.9
54 52.3	41.2 61.8





#25

Isophorone

Concen: 36.777 ng

RT: 7.29 min Scan# 884

Delta R.T. -0.26 min

Lab File: BF113193.D

Acq: 21 Mar 2019 2:54

Instrument :

BNA_F

ClientSampled :

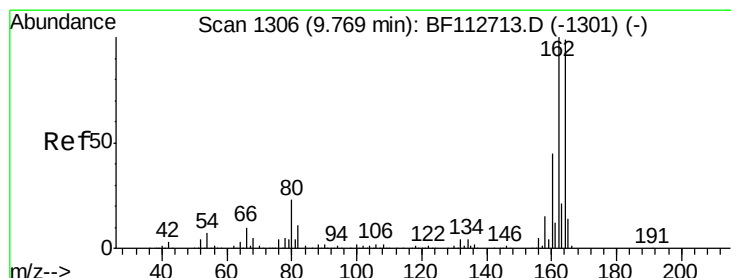
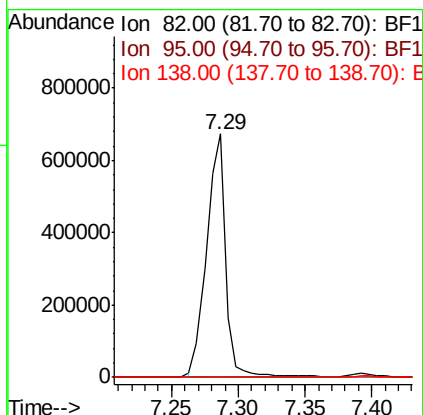
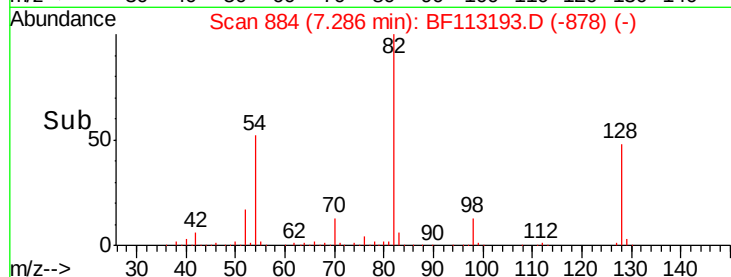
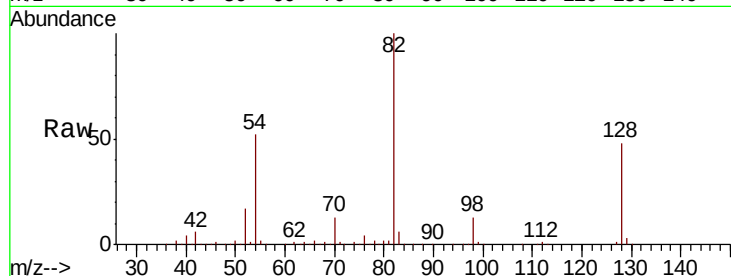
Tot Ion: 82 Resp: 657086

Ion Ratio Lower Upper

82 100

95 0.0 5.6 8.4#

138 0.0 14.5 21.7#



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.76 min Scan# 1304

Delta R.T. -0.00 min

Lab File: BF113193.D

Acq: 21 Mar 2019 2:54

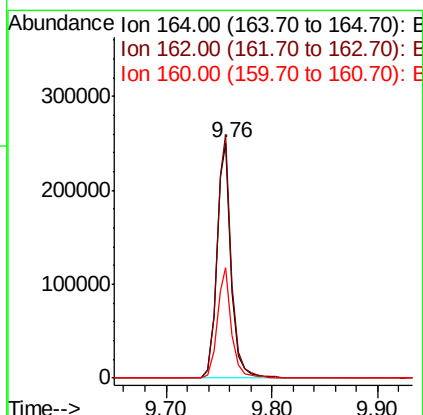
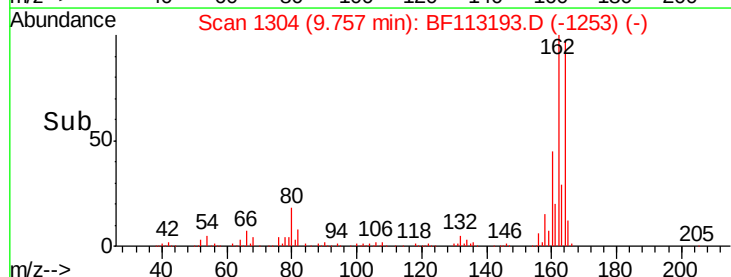
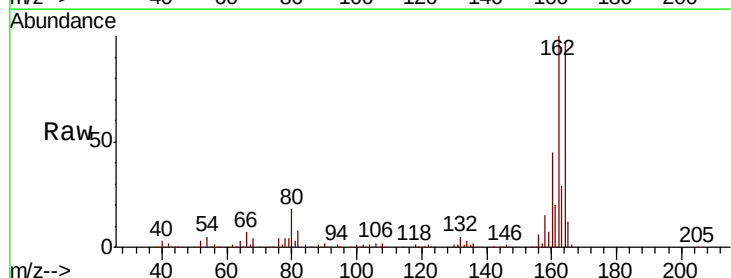
Tgt Ion: 164 Resp: 240715

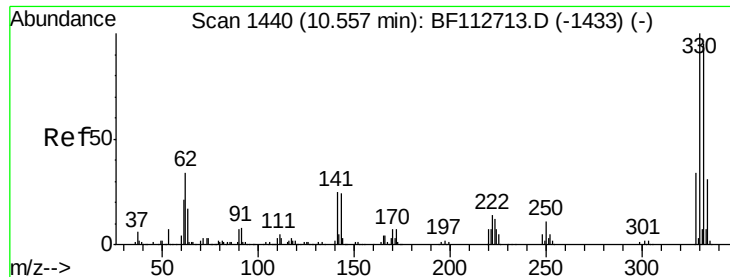
Ion Ratio Lower Upper

164 100

162 103.6 80.8 121.2

160 46.9 36.2 54.2

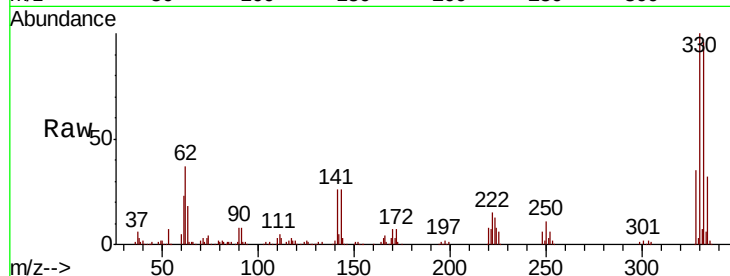




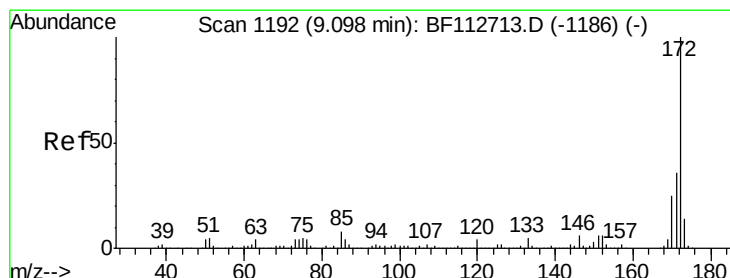
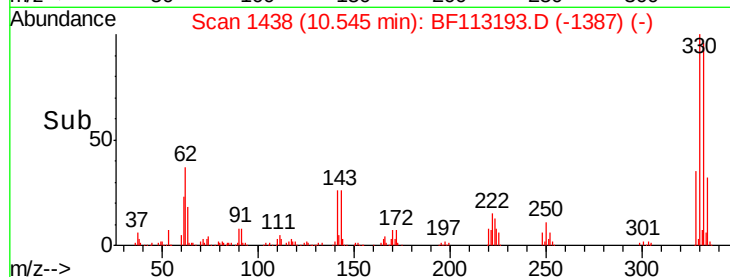
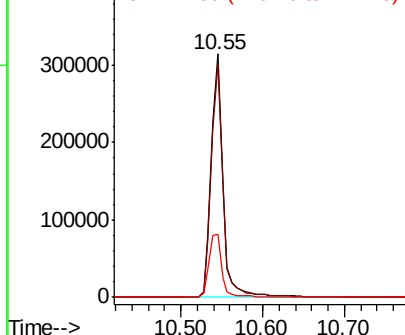
#42
 2,4,6-Tribromophenol
 Concen: 123.722 ng
 RT: 10.55 min Scan# 1438
 Delta R.T. -0.00 min
 Lab File: BF113193.D
 Acq: 21 Mar 2019 2:54

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	330	Resp	316171
Ion Ratio	100	Lower	Upper
330	100		
332	96.5	76.3	114.5
141	28.5	22.3	33.5

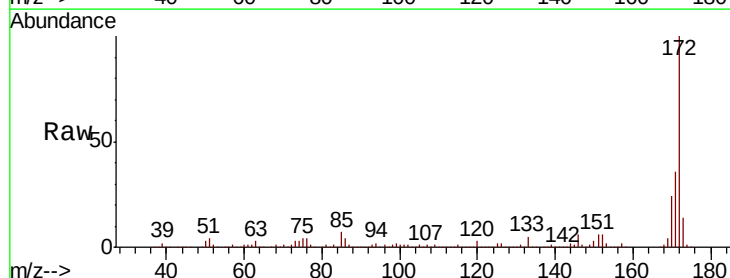


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

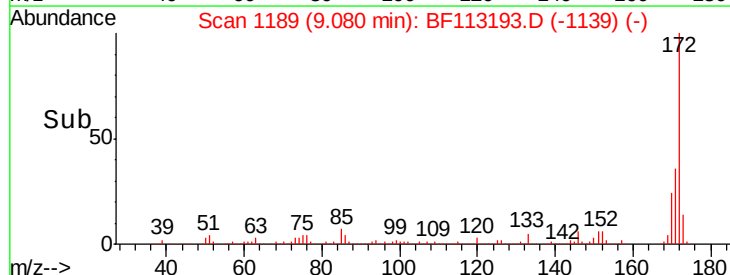
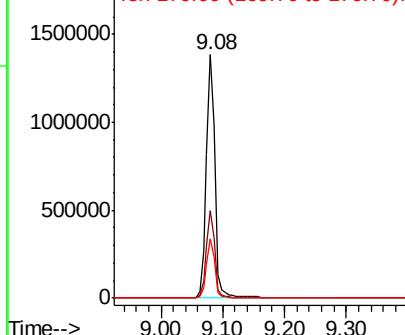


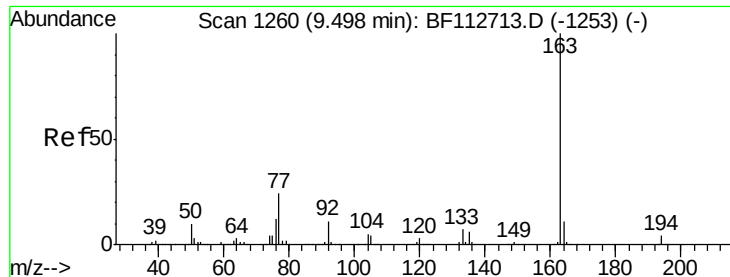
#45
 2-Fluorobiphenyl
 Concen: 97.314 ng
 RT: 9.08 min Scan# 1189
 Delta R.T. -0.01 min
 Lab File: BF113193.D
 Acq: 21 Mar 2019 2:54

Tgt Ion	172	Resp	1360074
Ion Ratio	100	Lower	Upper
172	100		
171	36.1	29.0	43.4
170	24.3	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

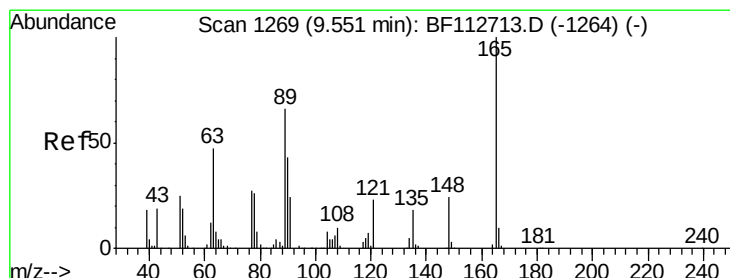
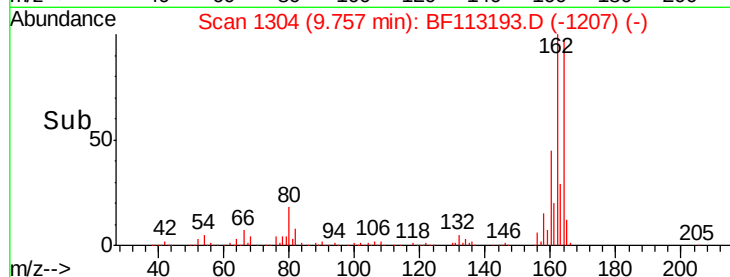
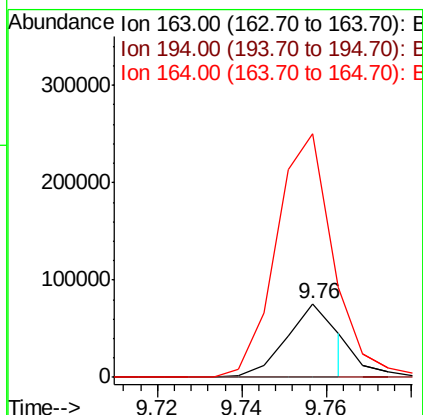
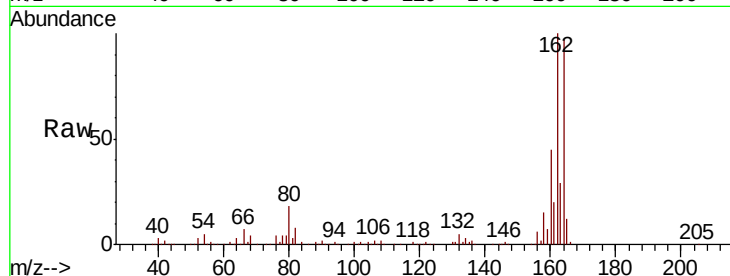




#50
Dimethylphthalate
Concen: 3.523 ng
RT: 9.76 min Scan# 1304
Delta R.T. 0.27 min
Lab File: BF113193.D
Acq: 21 Mar 2019 2:54

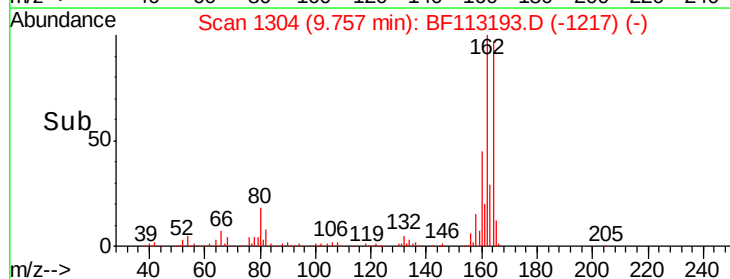
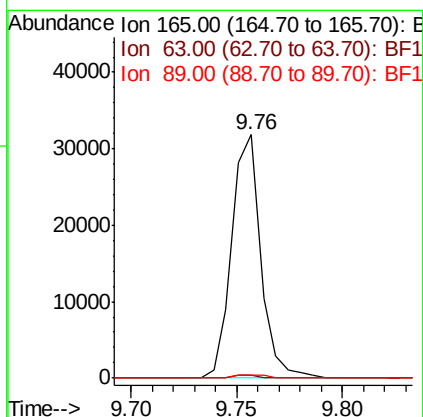
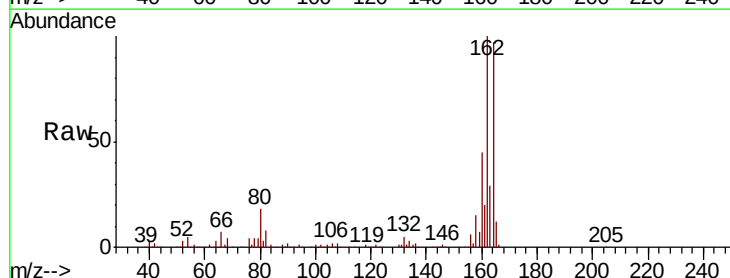
Instrument :
BNA_F
ClientSampleId :

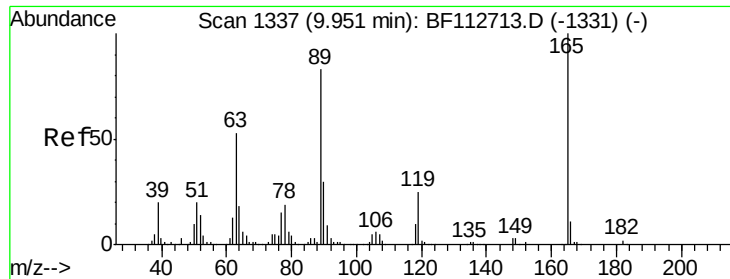
Tot Ion:163 Resp: 62535
Ion Ratio Lower Upper
163 100
194 0.0 3.3 4.9#
164 331.5 8.6 12.8#



#51
2,6-Dinitrotoluene
Concen: 8.191 ng
RT: 9.76 min Scan# 1304
Delta R.T. 0.21 min
Lab File: BF113193.D
Acq: 21 Mar 2019 2:54

Tgt Ion:165 Resp: 30273
Ion Ratio Lower Upper
165 100
63 1.4 45.4 68.2#
89 1.3 43.8 65.6#

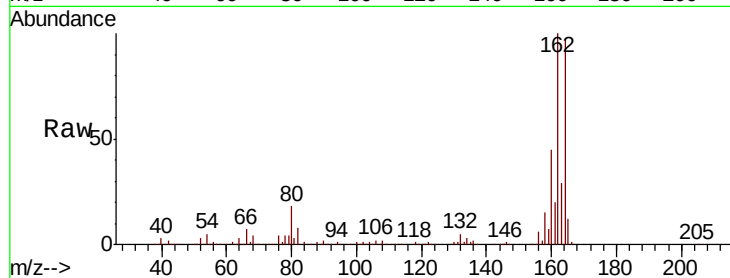




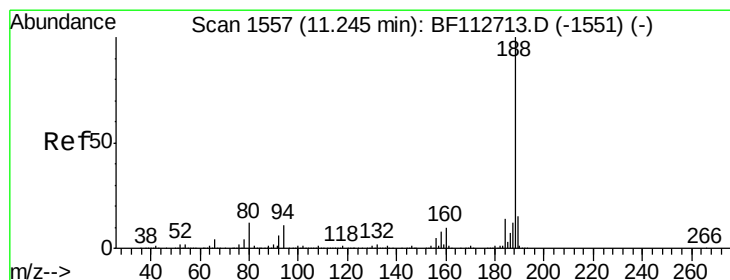
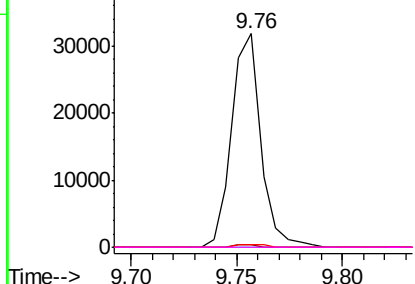
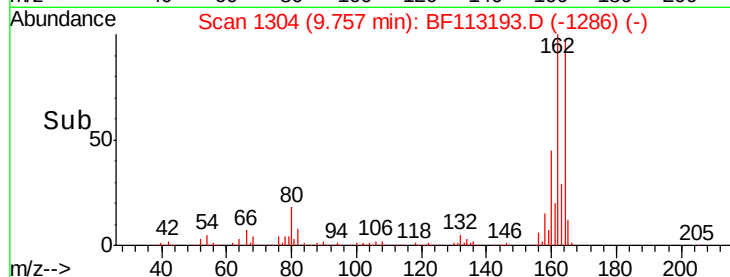
#57
 2,4-Dinitrotoluene
 Concen: 6.589 ng
 RT: 9.76 min Scan# 1304
 Delta R.T. -0.19 min
 Lab File: BF113193.D
 Acq: 21 Mar 2019 2:54

Instrument :
 BNA_F
 ClientSampled :

Tot Ion:165 Resp: 30273
 Ion Ratio Lower Upper
 165 100
 63 1.4 37.9 56.9#
 89 1.3 58.5 87.7#
 182 0.0 2.2 3.2#

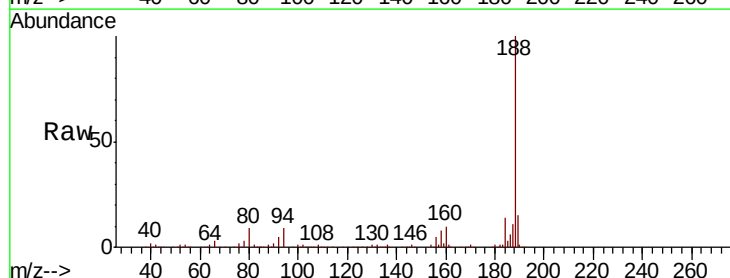


Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BF1
 Ion 89.00 (88.70 to 89.70): BF1
 Ion 182.00 (181.70 to 182.70): E

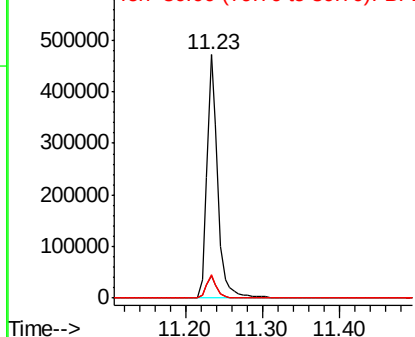
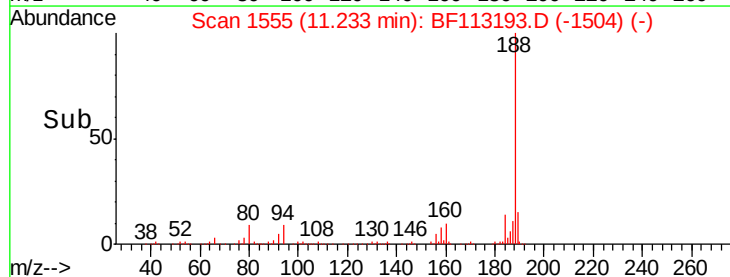


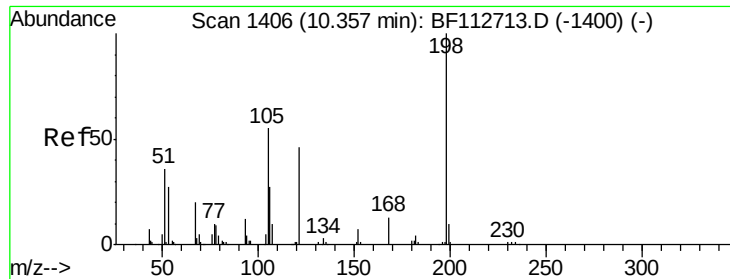
#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.23 min Scan# 1555
 Delta R.T. -0.00 min
 Lab File: BF113193.D
 Acq: 21 Mar 2019 2:54

Tgt Ion:188 Resp: 456054
 Ion Ratio Lower Upper
 188 100
 94 9.3 7.4 11.2
 80 9.5 7.9 11.9



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

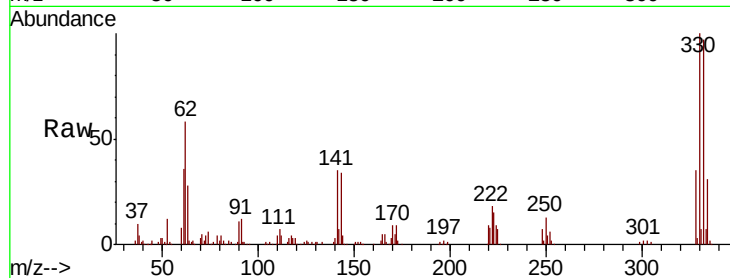




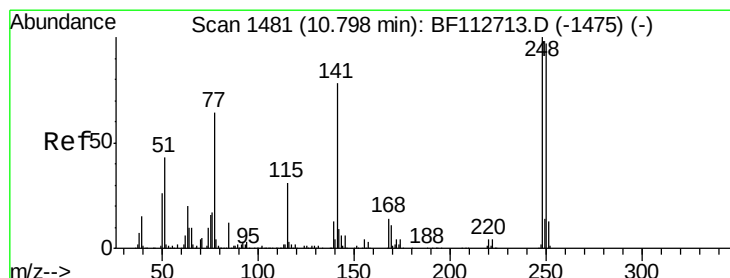
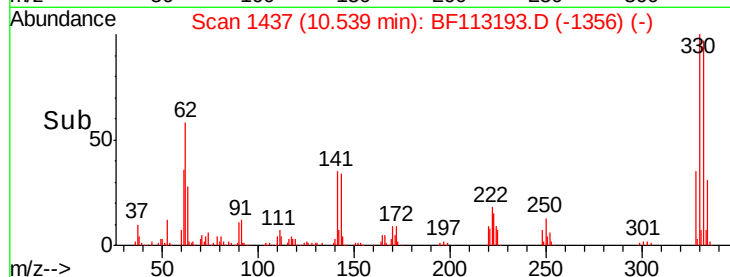
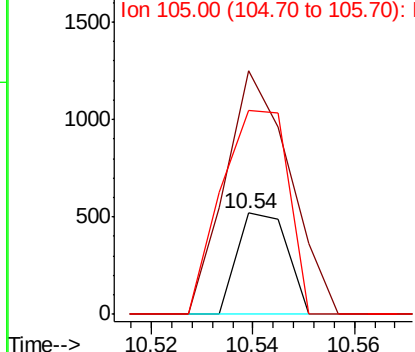
#65
 4,6-Dinitro-2-methylphenol
 Concen: 4.784 ng
 RT: 10.54 min Scan# 1437
 Delta R.T. 0.18 min
 Lab File: BF113193.D
 Acq: 21 Mar 2019 2:54

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:198 Resp: 355
 Ion Ratio Lower Upper
 198 100
 51 240.7 25.5 65.5#
 105 201.5 23.2 63.2#

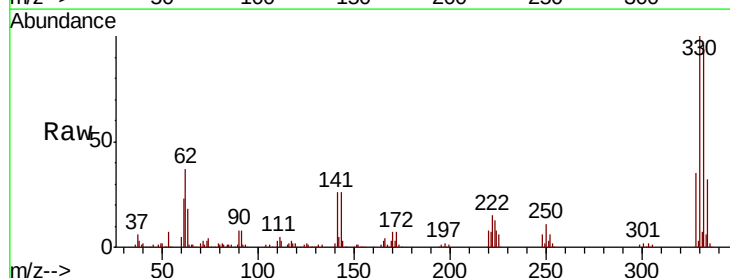


Abundance Ion 198.00 (197.70 to 198.70): E
 Ion 51.00 (50.70 to 51.70): BF1
 Ion 105.00 (104.70 to 105.70): E

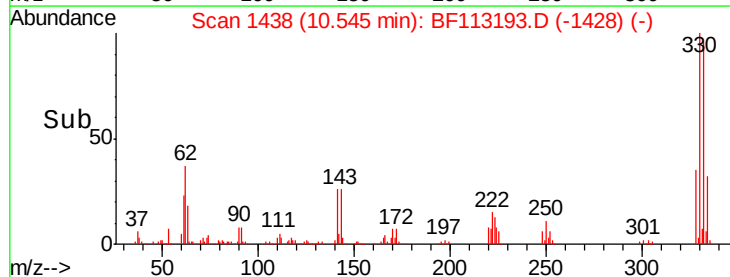
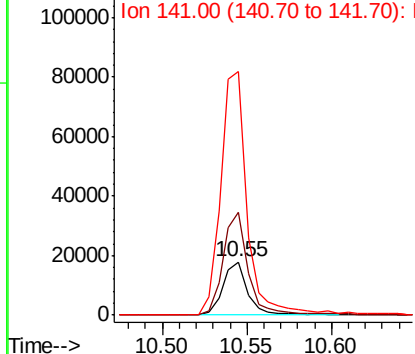


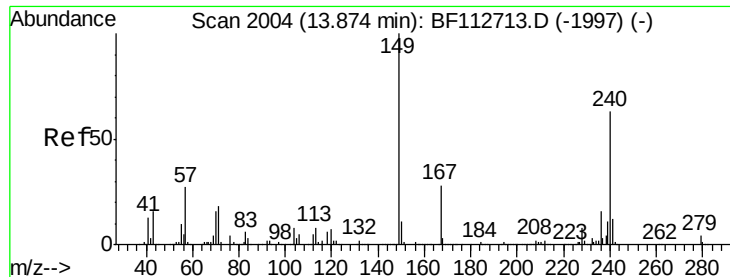
#67
 4-Bromophenyl-phenylether
 Concen: 3.796 ng
 RT: 10.55 min Scan# 1438
 Delta R.T. -0.24 min
 Lab File: BF113193.D
 Acq: 21 Mar 2019 2:54

Tgt Ion:248 Resp: 18236
 Ion Ratio Lower Upper
 248 100
 250 193.9 78.4 117.6#
 141 457.3 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: BF113193.D

Acq: 21 Mar 2019 2:54

Instrument :

BNA_F

ClientSampleId :

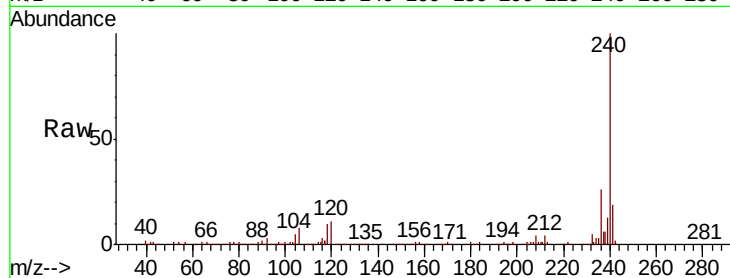
Tot Ion:240 Resp: 401418

Ion Ratio Lower Upper

240 100

120 11.0 8.6 12.8

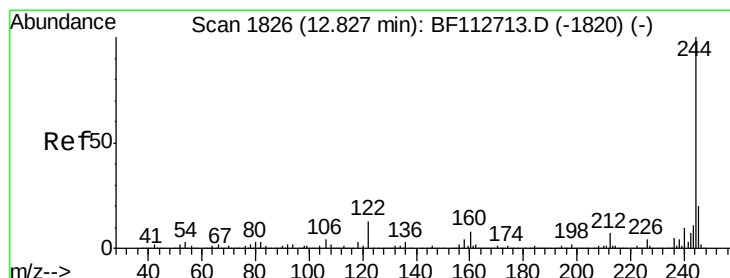
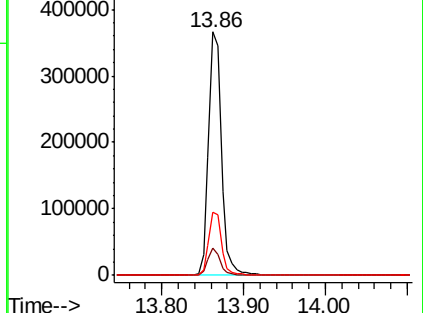
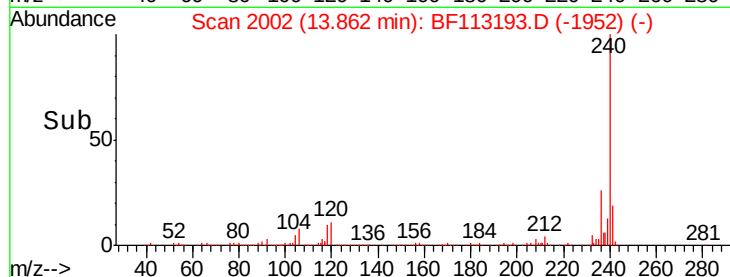
236 25.7 21.2 31.8



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: 71.786 ng

RT: 12.82 min Scan# 1825

Delta R.T. 0.01 min

Lab File: BF113193.D

Acq: 21 Mar 2019 2:54

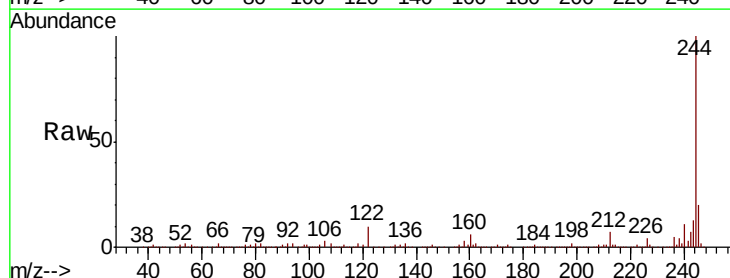
Tgt Ion:244 Resp: 1486526

Ion Ratio Lower Upper

244 100

212 6.7 5.7 8.5

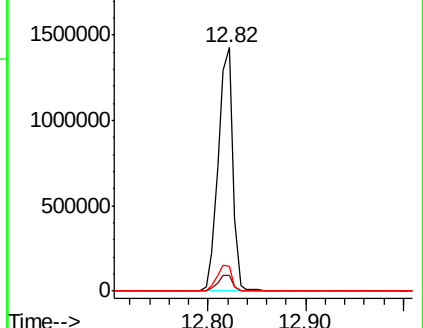
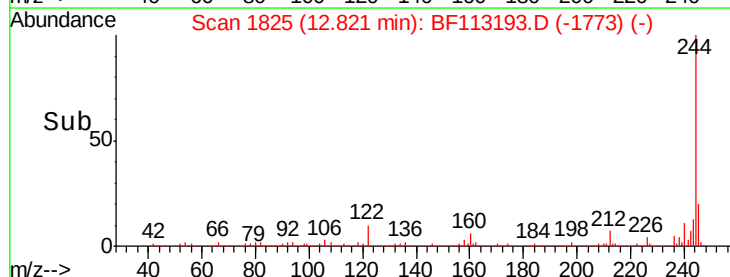
122 10.1 9.4 14.2

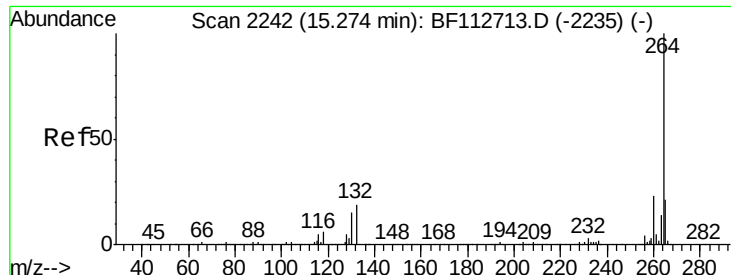


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

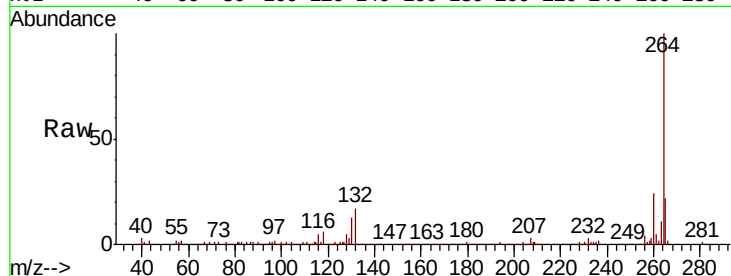




#87
Pervlene-d12
Concen: 20.000 ng
RT: 15.27 min Scan# 2242
Delta R.T. 0.01 min
Lab File: BF113193.D
Acq: 21 Mar 2019 2:54

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
264	100		
260	24.3	19.2	28.8
265	21.9	17.7	26.5



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

