

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF041619\
 Data File : BF113800.D
 Acq On : 16 Apr 2019 18:23
 Operator : JU/SJ
 Sample : K2421-01
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Apr 17 01:07:00 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF040319.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Apr 04 04:05:31 2019
 Response via : Initial Calibration

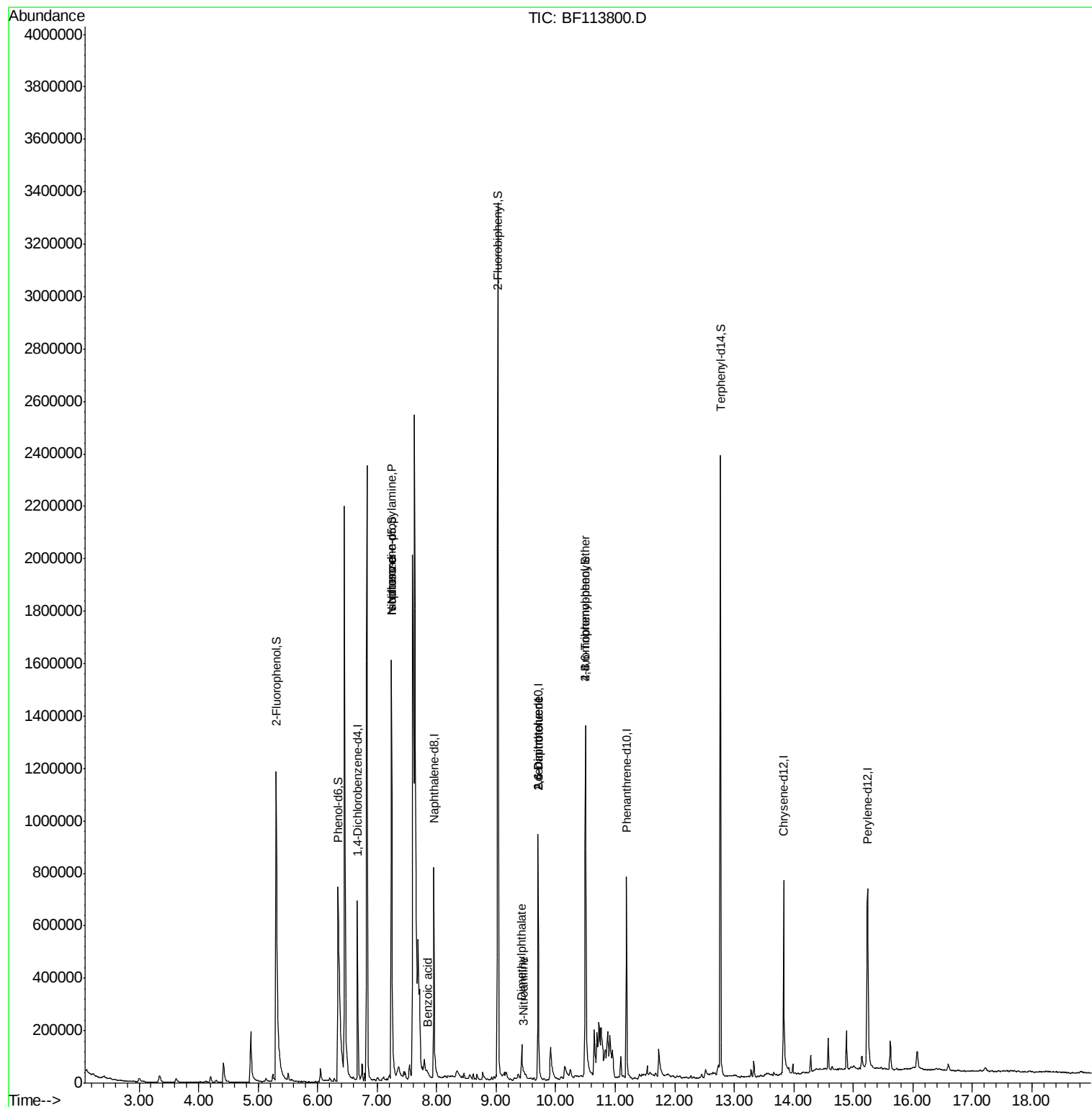
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.67	152	116761	20.00	ng	-0.02
21) Naphthalene-d8	7.96	136	423716	20.00	ng	-0.01
39) Acenaphthene-d10	9.70	164	184671	20.00	ng	-0.02
64) Phenanthrene-d10	11.19	188	311626	20.00	ng	-0.02
76) Chrysene-d12	13.83	240	274884	20.00	ng	-0.02
87) Perylene-d12	15.24	264	338098	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.30	112	647890	94.62	ng	0.00
7) Phenol-d6	6.34	99	703290	83.34	ng	0.00
23) Nitrobenzene-d5	7.24	82	593952	82.11	ng	-0.02
42) 2,4,6-Tribromophenol	10.50	330	227931	102.75	ng	-0.02
45) 2-Fluorobiphenyl	9.03	172	1082028	94.33	ng	-0.02
79) Terphenyl-d14	12.77	244	921854	68.28	ng	-0.02
Target Compounds						
19) n-Nitroso-di-n-propylamine	7.24	70	75905	14.586	ng	# 77
25) Isophorone	7.24	82	593949	42.624	ng	# 64
32) Benzoic acid	7.85	122	9458	2.131	ng	90
50) Dimethylphthalate	9.43	163	60154	4.419	ng	99
51) 2,6-Dinitrotoluene	9.70	165	23528	7.841	ng	# 27
53) 3-Nitroaniline	9.47	138	17776	5.211	ng	# 5
57) 2,4-Dinitrotoluene	9.70	165	23528	6.483	ng	# 24
67) 4-Bromophenyl-phenylether	10.50	248	12532	3.586	ng	# 1

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

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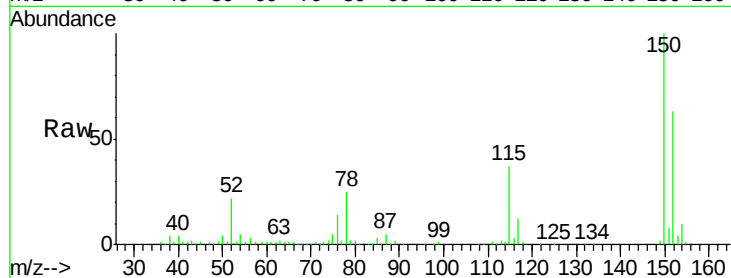


#1

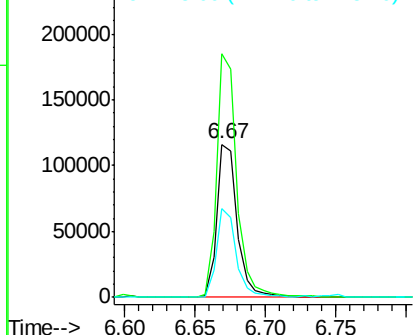
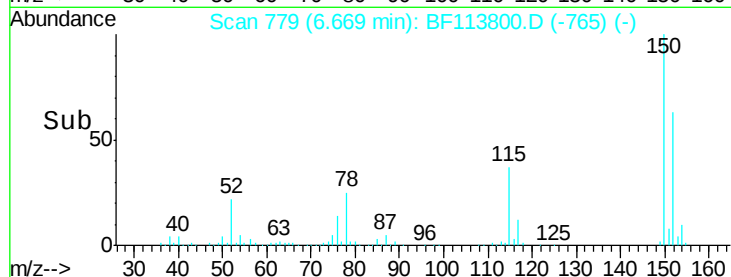
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.67 min Scan# 779
Delta R.T. -0.02 min
Lab File: BF113800.D
Acq: 16 Apr 2019 18:23

Instrument :
BNA_F
ClientSampled :

Tot Ion:152 Resp: 116761
Ion Ratio Lower Upper
152 100
150 159.2 124.7 187.1
115 58.3 46.0 69.0



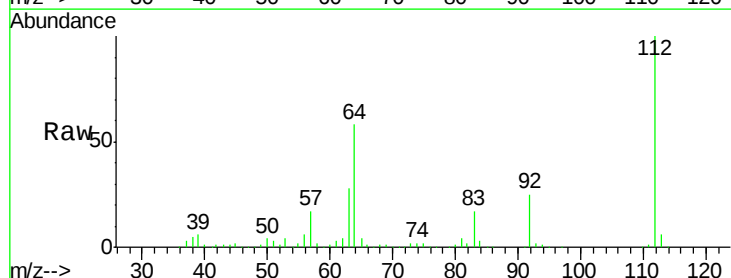
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



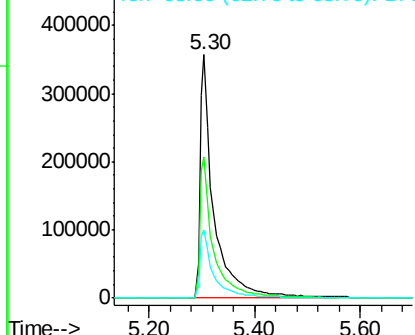
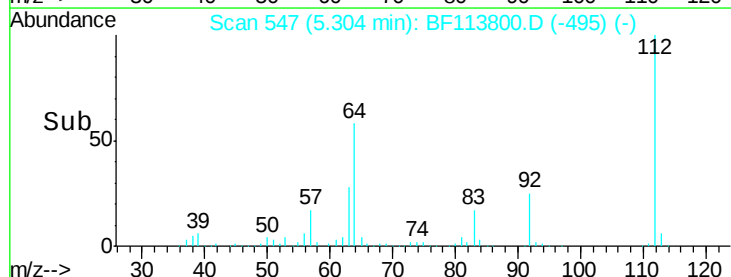
#5

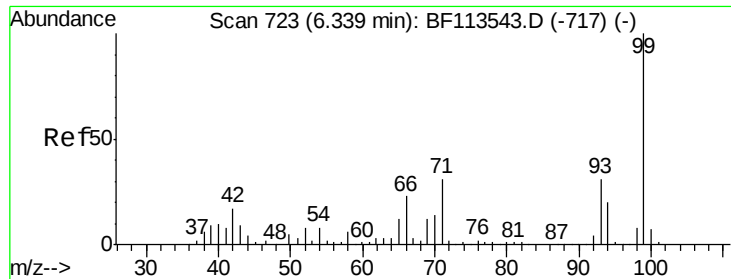
2-Fluorophenol
Concen: 94.621 ng
RT: 5.30 min Scan# 547
Delta R.T. 0.01 min
Lab File: BF113800.D
Acq: 16 Apr 2019 18:23

Tgt Ion:112 Resp: 647890
Ion Ratio Lower Upper
112 100
64 58.0 49.2 73.8
63 28.2 24.9 37.3



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: 83.336 ng

RT: 6.34 min Scan# 723

Delta R.T. 0.00 min

Lab File: BF113800.D

Acq: 16 Apr 2019 18:23

Instrument :

BNA_F

ClientSampleId :

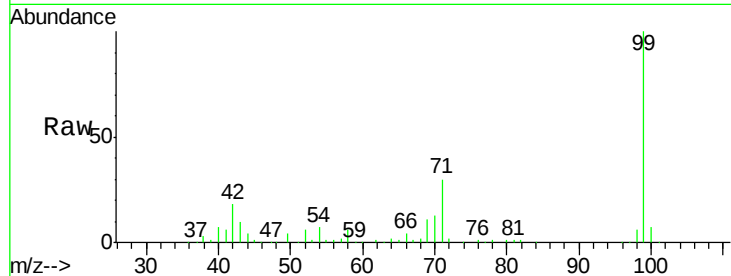
Tot Ion: 99 Resp: 703290

Ion Ratio Lower Upper

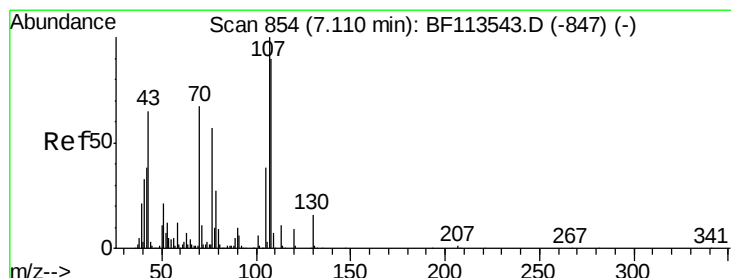
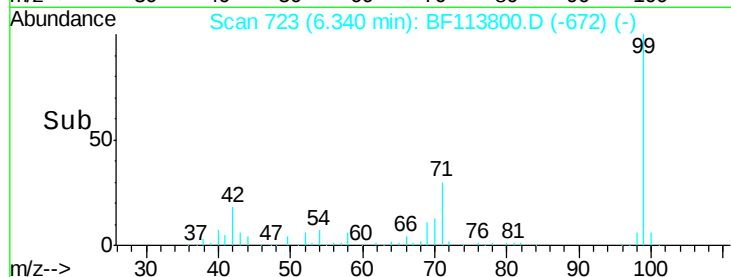
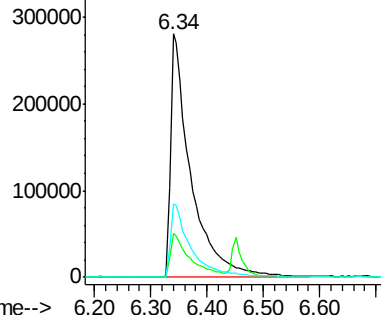
99 100

42 18.1 14.8 22.2

71 30.4 24.9 37.3



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: 14.586 ng

RT: 7.24 min Scan# 876

Delta R.T. 0.13 min

Lab File: BF113800.D

Acq: 16 Apr 2019 18:23

Tgt Ion: 70 Resp: 75905

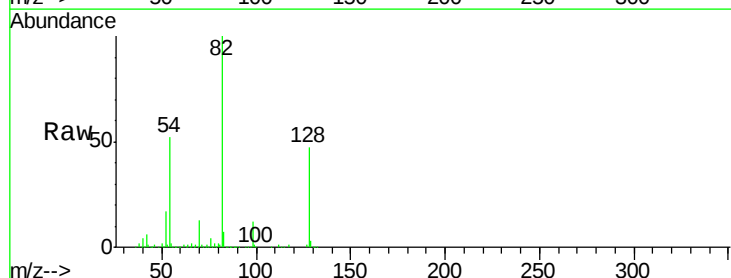
Ion Ratio Lower Upper

70 100

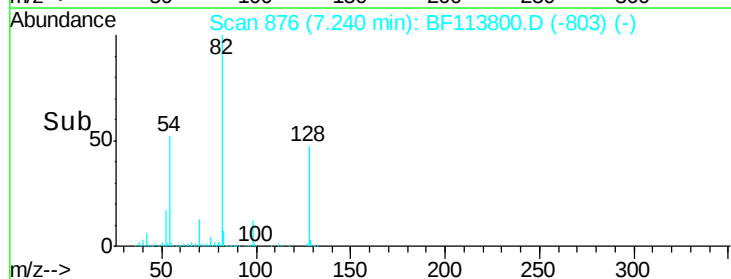
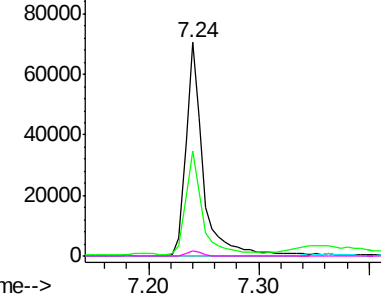
42 49.4 48.4 72.6

101 0.0 7.8 11.8#

130 2.2 18.2 27.4#



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: 7.96 min Scan# 998

Delta R.T. -0.01 min

Lab File: BF113800.D

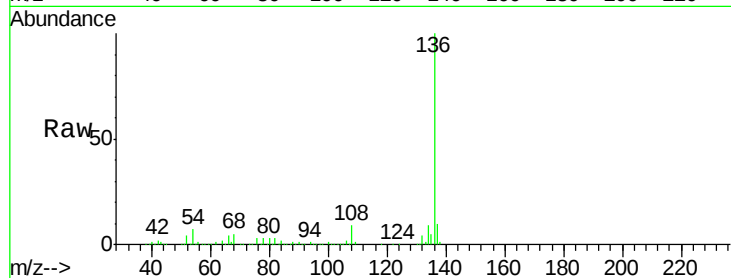
Acq: 16 Apr 2019 18:23

Instrument :

BNA_F

ClientSampleId :

Tot Ion:136	Resp:	423716
Ion Ratio	Lower	Upper
136	100	
137	10.5	8.9 13.3
54	6.9	7.0 10.6#
68	5.2	4.8 7.2

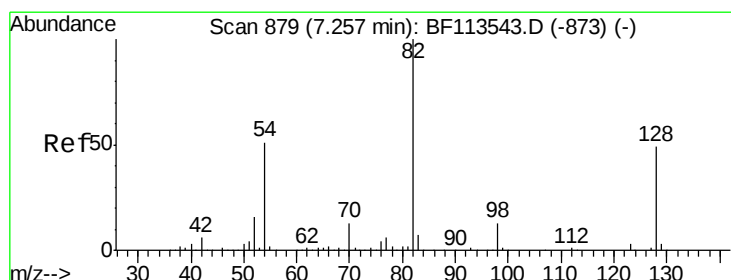
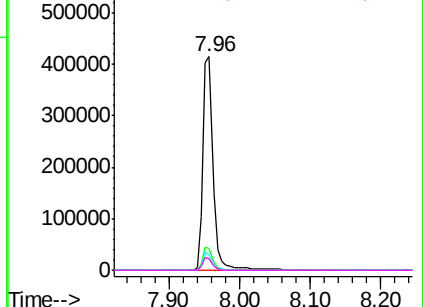
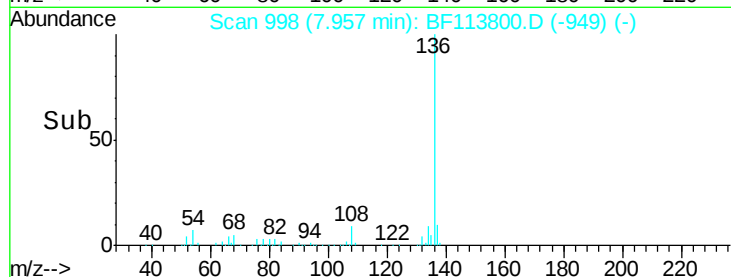


Abundance Ion 136.00 (135.70 to 136.70): E

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: 82.109 ng

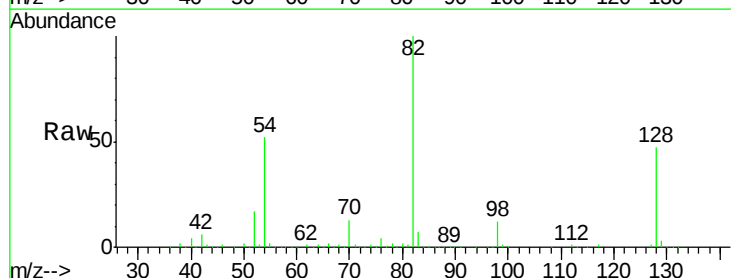
RT: 7.24 min Scan# 876

Delta R.T. -0.02 min

Lab File: BF113800.D

Acq: 16 Apr 2019 18:23

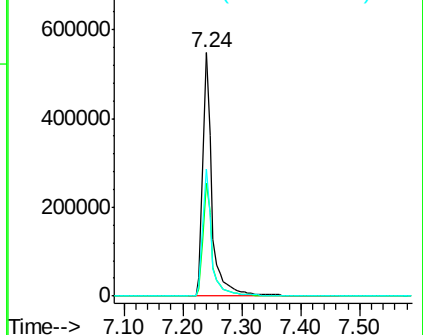
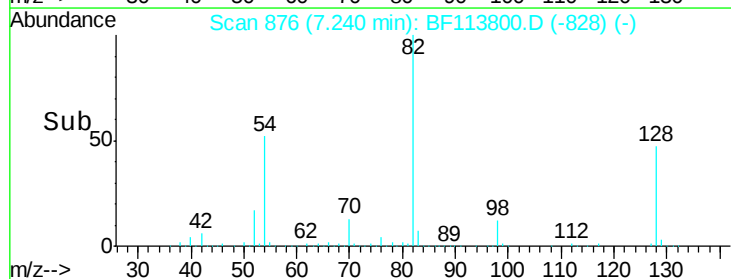
Tgt Ion: 82	Resp:	593952
Ion Ratio	Lower	Upper
82	100	
128	46.6	36.5 54.7
54	52.5	42.2 63.2



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: 42.624 ng

RT: 7.24 min Scan# 876

Delta R.T. -0.28 min

Lab File: BF113800.D

Acq: 16 Apr 2019 18:23

Instrument :

BNA_F

ClientSampleId :

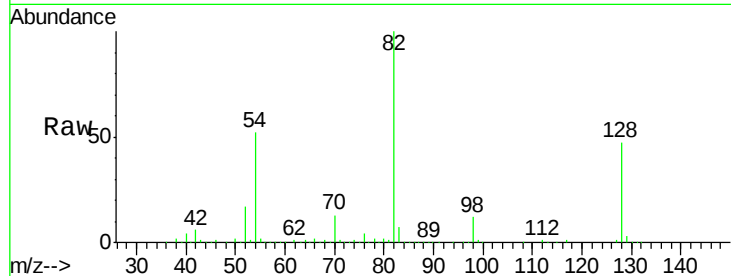
Tot Ion: 82 Resp: 593949

Ion Ratio Lower Upper

82 100

95 0.0 5.5 8.3#

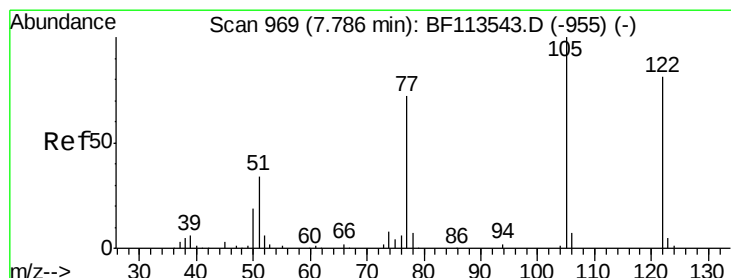
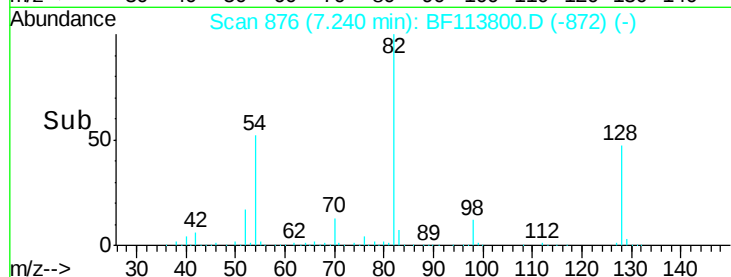
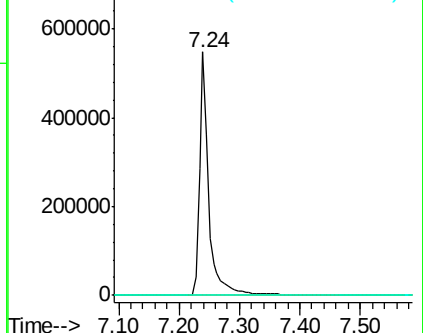
138 0.0 15.2 22.8#



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



#32

Benzoic acid

Concen: 2.131 ng

RT: 7.85 min Scan# 980

Delta R.T. 0.06 min

Lab File: BF113800.D

Acq: 16 Apr 2019 18:23

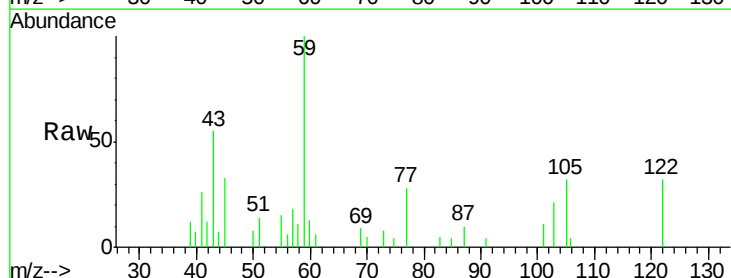
Tgt Ion:122 Resp: 9458

Ion Ratio Lower Upper

122 100

105 102.0 100.4 140.4

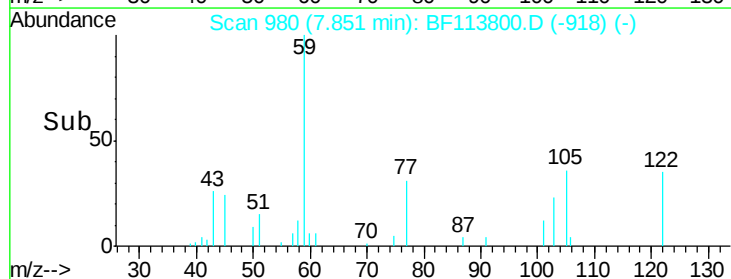
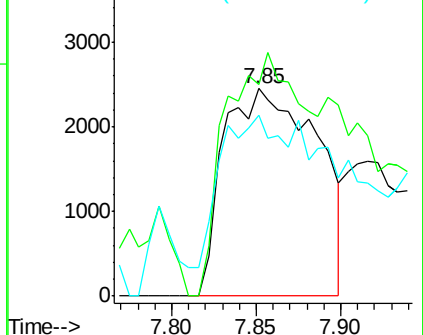
77 87.2 69.0 109.0

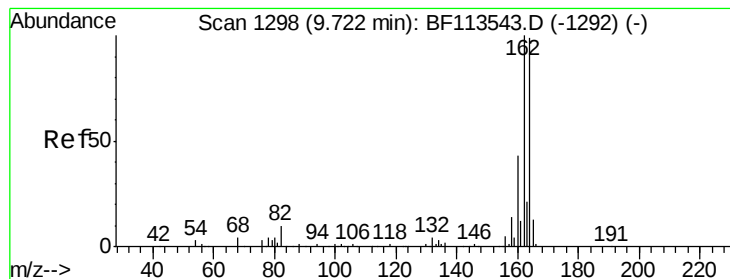


Abundance Ion 122.00 (121.70 to 122.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 77.00 (76.70 to 77.70): BF1





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.70 min Scan# 1295

Delta R.T. -0.02 min

Lab File: BF113800.D

Acq: 16 Apr 2019 18:23

Instrument :

BNA_F

ClientSampleId :

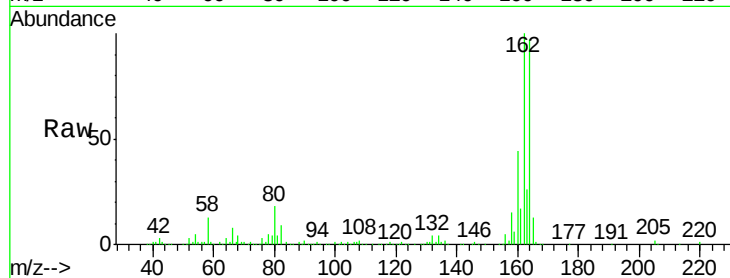
Tot Ion:164 Resp: 184671

Ion Ratio Lower Upper

164 100

162 102.8 81.8 122.6

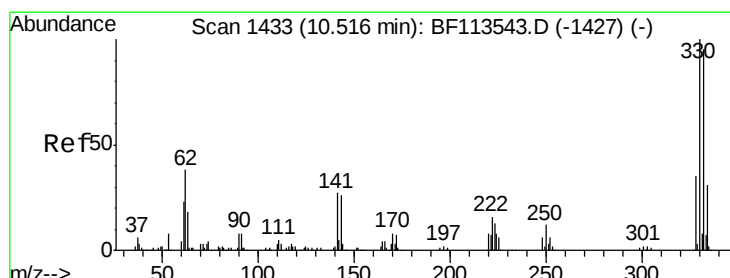
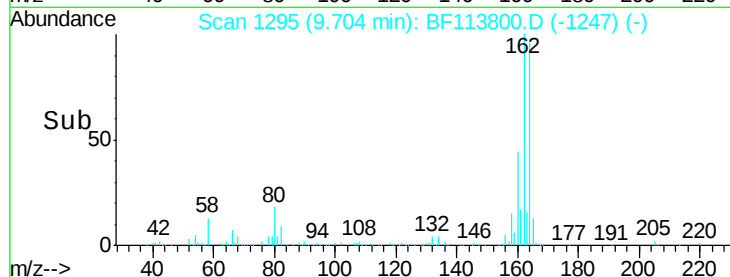
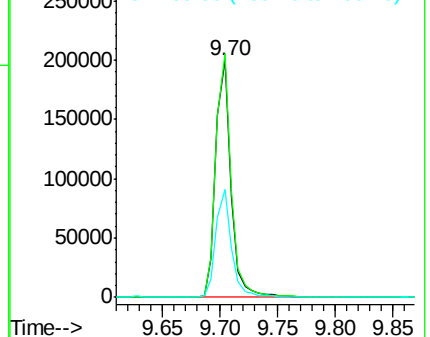
160 45.4 36.4 54.6



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: 102.748 ng

RT: 10.50 min Scan# 1430

Delta R.T. -0.02 min

Lab File: BF113800.D

Acq: 16 Apr 2019 18:23

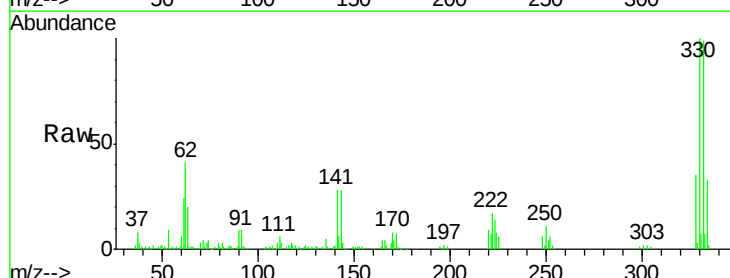
Tgt Ion:330 Resp: 227931

Ion Ratio Lower Upper

330 100

332 98.8 77.8 116.6

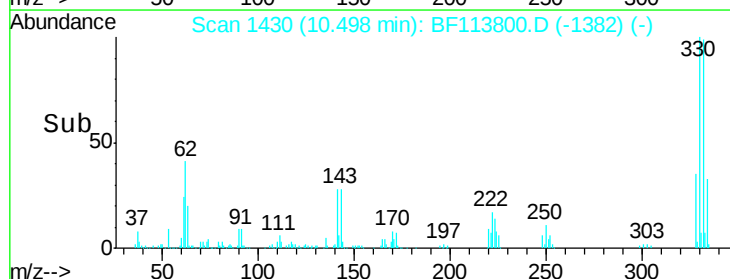
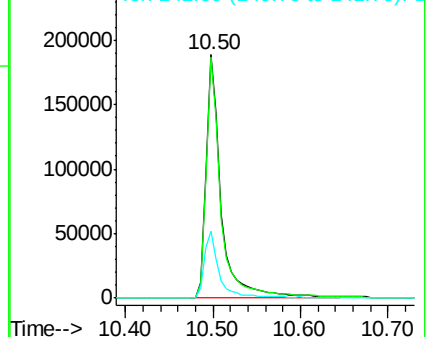
141 28.5 22.7 34.1

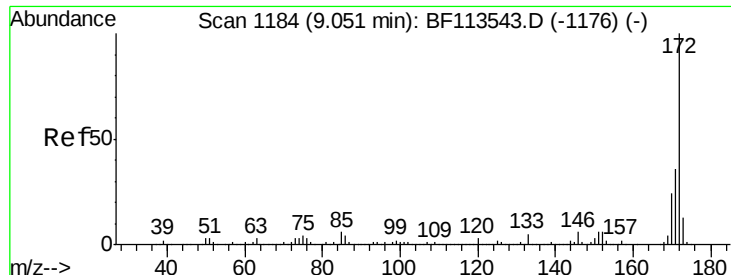


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

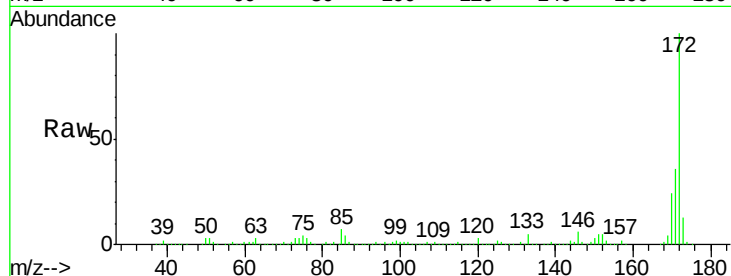




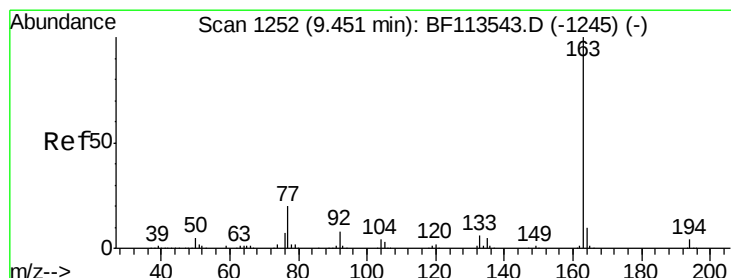
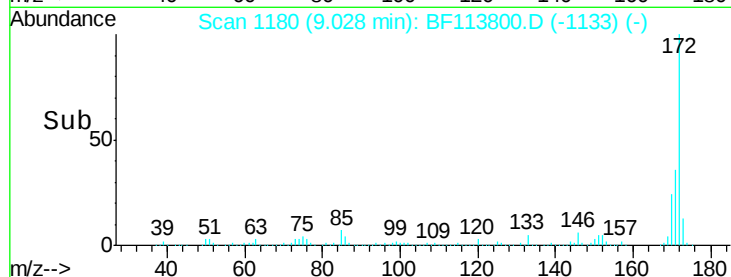
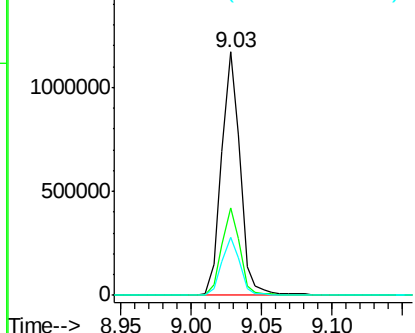
#45
2-Fluorobiphenyl
Concen: 94.327 ng
RT: 9.03 min Scan# 1180
Delta R.T. -0.02 min
Lab File: BF113800.D
Acq: 16 Apr 2019 18:23

Instrument :
BNA_F
ClientSampleId :

Tot Ion:172 Resp: 1082028
Ion Ratio Lower Upper
172 100
171 35.7 29.0 43.6
170 24.1 19.5 29.3

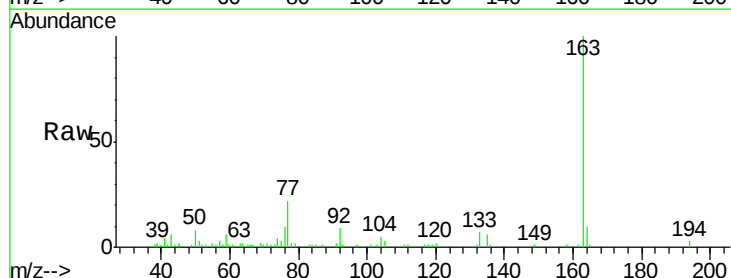


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

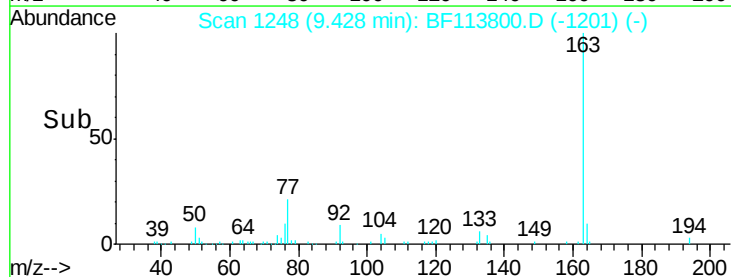
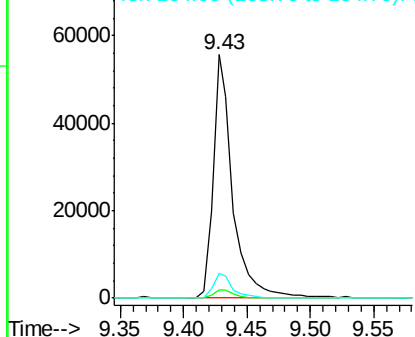


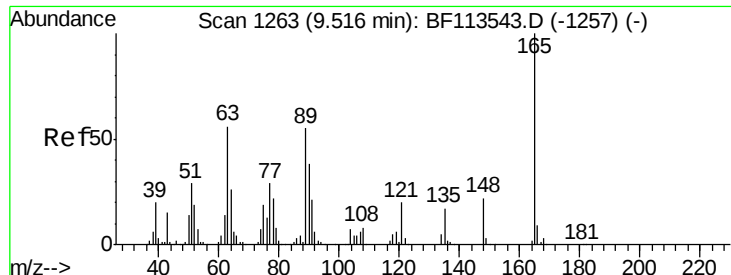
#50
Dimethylphthalate
Concen: 4.419 ng
RT: 9.43 min Scan# 1248
Delta R.T. -0.02 min
Lab File: BF113800.D
Acq: 16 Apr 2019 18:23

Tgt Ion:163 Resp: 60154
Ion Ratio Lower Upper
163 100
194 3.4 3.0 4.6
164 10.3 8.1 12.1



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

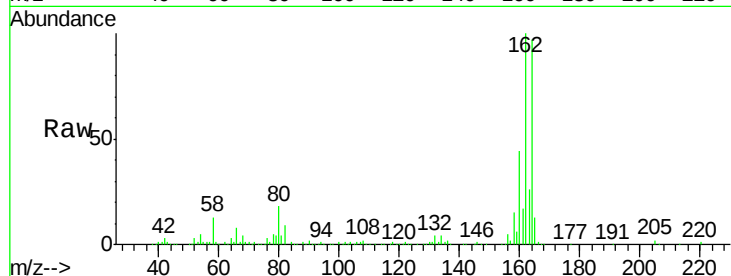




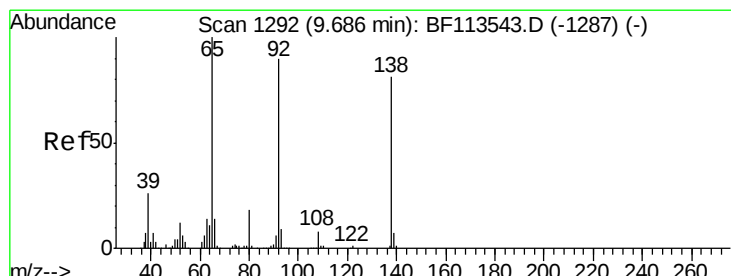
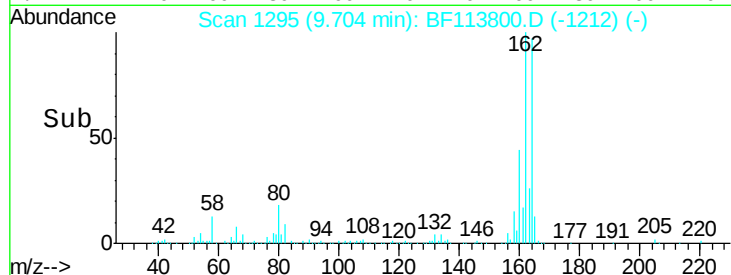
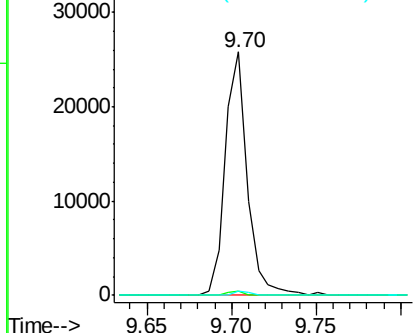
#51
 2,6-Dinitrotoluene
 Concen: 7.841 ng
 RT: 9.70 min Scan# 1295
 Delta R.T. 0.19 min
 Lab File: BF113800.D
 Acq: 16 Apr 2019 18:23

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:165 Resp: 23528
 Ion Ratio Lower Upper
 165 100
 63 1.6 43.4 65.0#
 89 1.7 43.1 64.7#

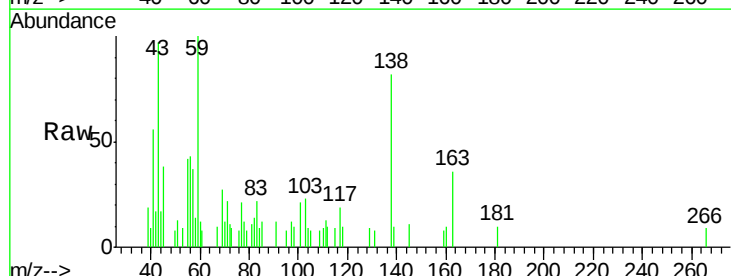


Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BF1
 Ion 89.00 (88.70 to 89.70): BF1

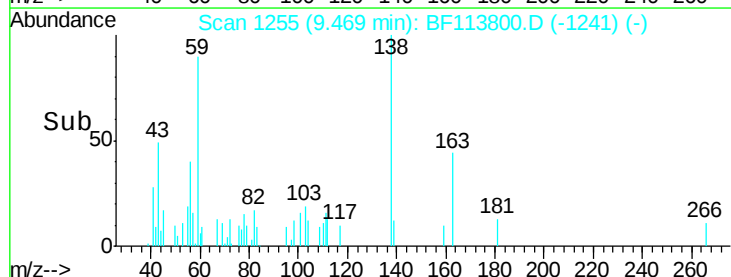
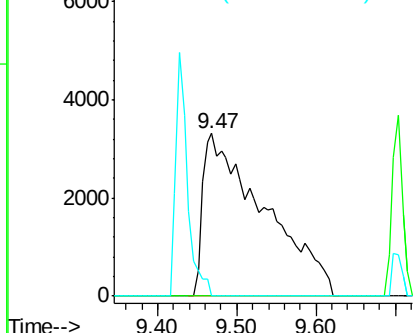


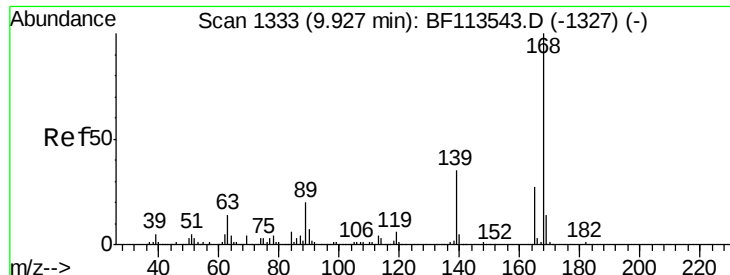
#53
 3-Nitroaniline
 Concen: 5.211 ng
 RT: 9.47 min Scan# 1255
 Delta R.T. -0.22 min
 Lab File: BF113800.D
 Acq: 16 Apr 2019 18:23

Tgt Ion:138 Resp: 17776
 Ion Ratio Lower Upper
 138 100
 108 0.0 7.8 11.6#
 92 0.0 82.6 124.0#



Abundance Ion 138.00 (137.70 to 138.70): E
 Ion 108.00 (107.70 to 108.70): E
 Ion 92.00 (91.70 to 92.70): BF1

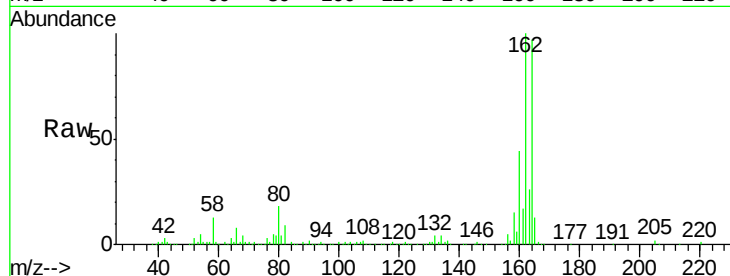




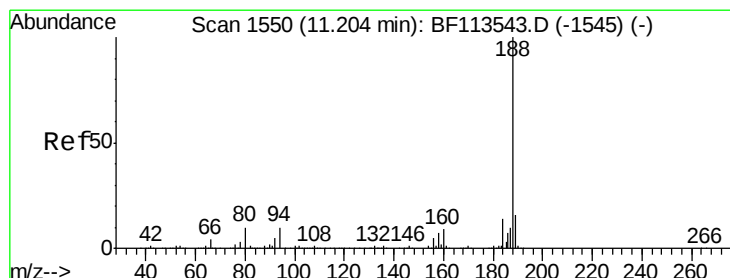
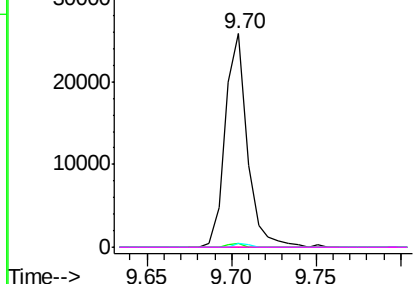
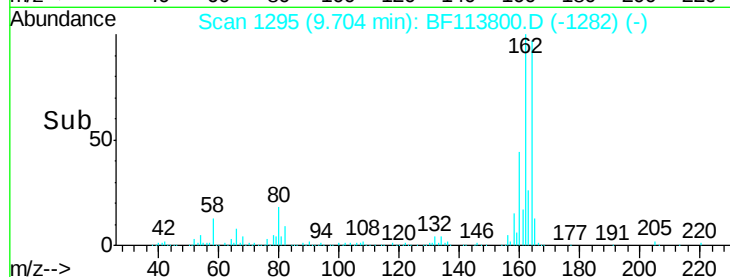
#57
 2,4-Dinitrotoluene
 Concen: 6.483 ng
 RT: 9.70 min Scan# 1295
 Delta R.T. -0.22 min
 Lab File: BF113800.D
 Acq: 16 Apr 2019 18:23

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:165 Resp: 23528
 Ion Ratio Lower Upper
 165 100
 63 1.6 37.5 56.3#
 89 1.7 57.4 86.2#
 182 0.0 2.0 3.0#

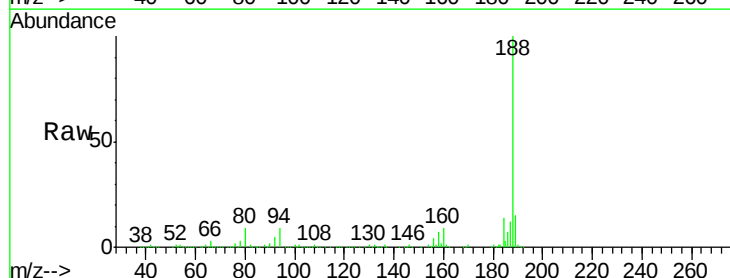


Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BF1
 Ion 89.00 (88.70 to 89.70): BF1
 Ion 182.00 (181.70 to 182.70): E

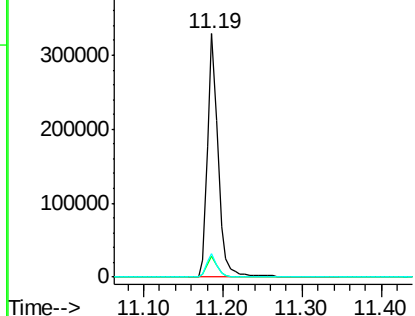
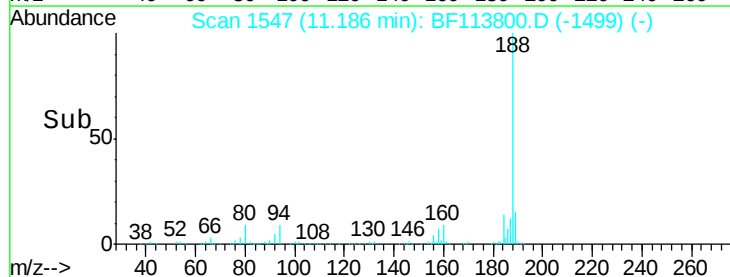


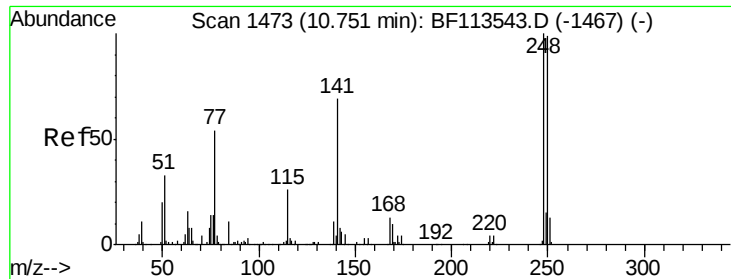
#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.19 min Scan# 1547
 Delta R.T. -0.02 min
 Lab File: BF113800.D
 Acq: 16 Apr 2019 18:23

Tgt Ion:188 Resp: 311626
 Ion Ratio Lower Upper
 188 100
 94 8.8 7.0 10.6
 80 9.4 7.7 11.5



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

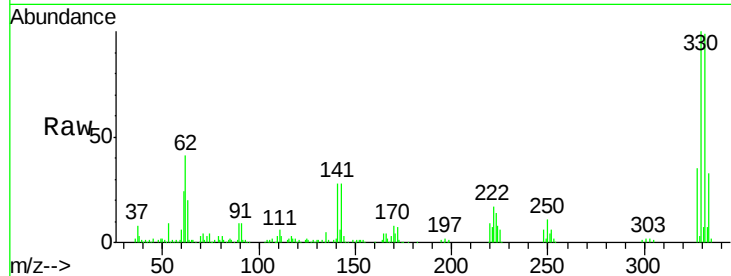




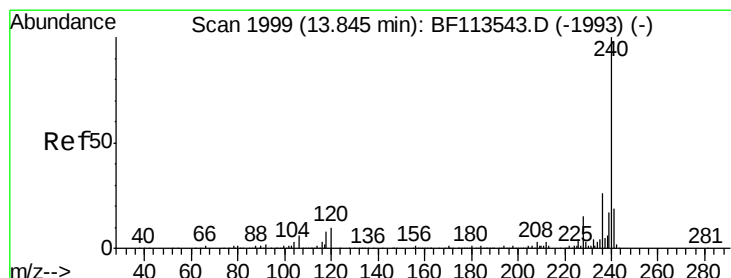
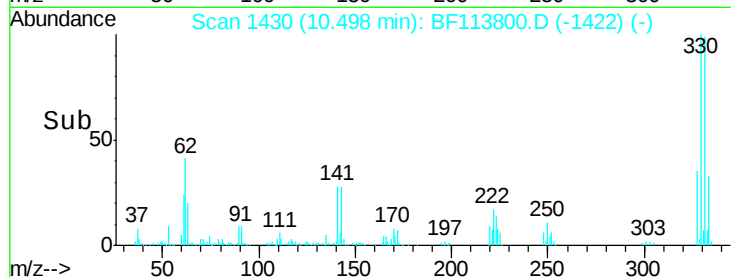
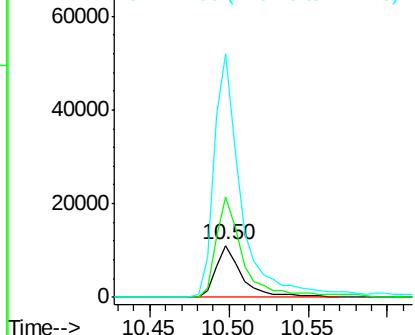
#67
 4-Bromophenyl-phenylether
 Concen: 3.586 ng
 RT: 10.50 min Scan# 1430
 Delta R.T. -0.25 min
 Lab File: BF113800.D
 Acq: 16 Apr 2019 18:23

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:248 Resp: 12532
 Ion Ratio Lower Upper
 248 100
 250 194.4 78.3 117.5#
 141 469.4 56.2 84.4#

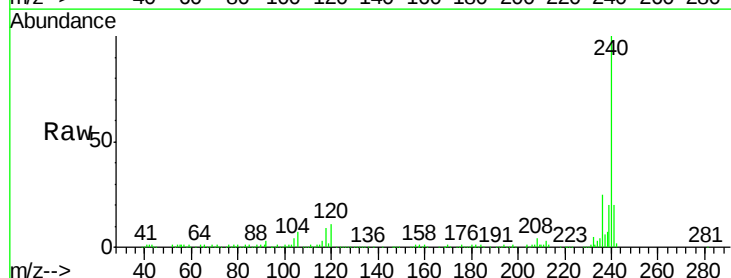


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

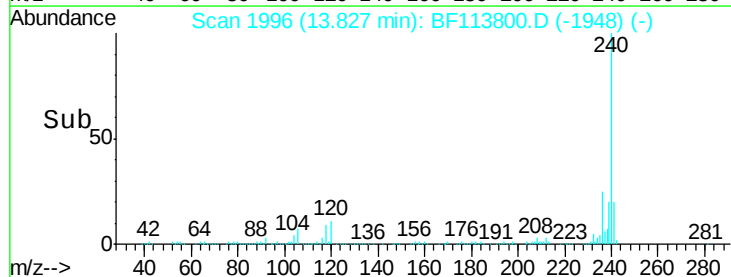
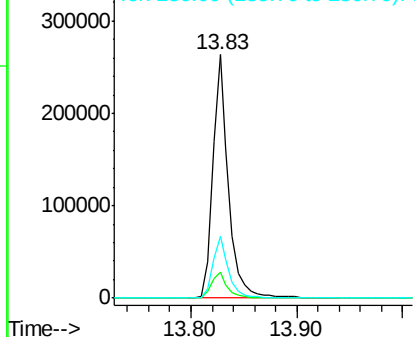


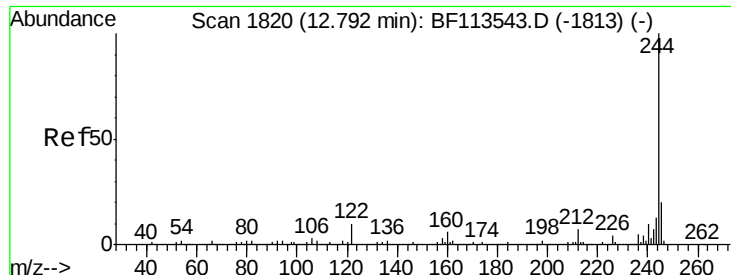
#76
 Chrysene-d12
 Concen: 20.000 ng
 RT: 13.83 min Scan# 1996
 Delta R.T. -0.02 min
 Lab File: BF113800.D
 Acq: 16 Apr 2019 18:23

Tgt Ion:240 Resp: 274884
 Ion Ratio Lower Upper
 240 100
 120 10.6 8.8 13.2
 236 25.2 20.9 31.3



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

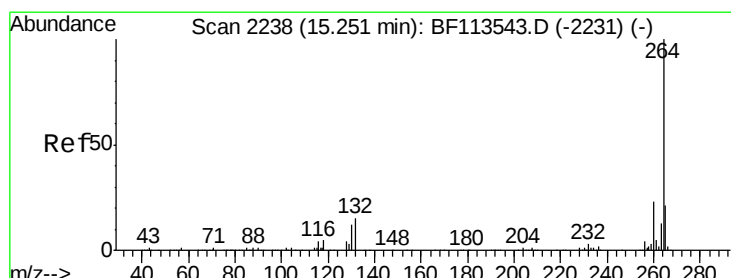
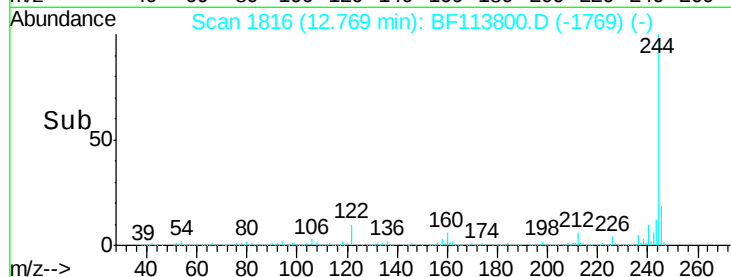
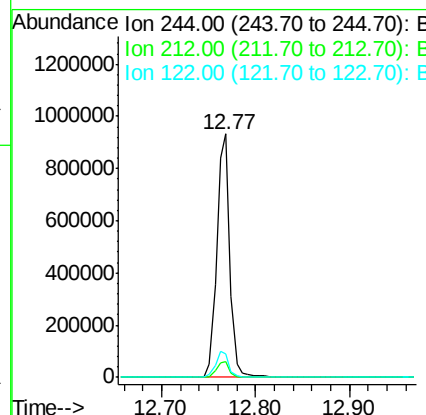
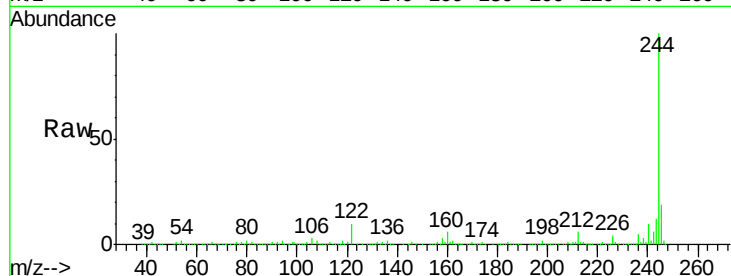




#79
 Terphenyl-d14
 Concen: 68.280 ng
 RT: 12.77 min Scan# 1816
 Delta R.T. -0.02 min
 Lab File: BF113800.D
 Acq: 16 Apr 2019 18:23

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:244 Resp: 921854
 Ion Ratio Lower Upper
 244 100
 212 6.3 5.5 8.3
 122 9.5 8.6 13.0



#87
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.24 min Scan# 2236
 Delta R.T. -0.01 min
 Lab File: BF113800.D
 Acq: 16 Apr 2019 18:23

Tgt Ion:264 Resp: 338098
 Ion Ratio Lower Upper
 264 100
 260 23.8 19.1 28.7
 265 21.5 17.1 25.7

