

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF041519\
 Data File : BF113768.D
 Acq On : 15 Apr 2019 17:39
 Operator : JU/SJ
 Sample : K2407-04
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Apr 15 23:08:31 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

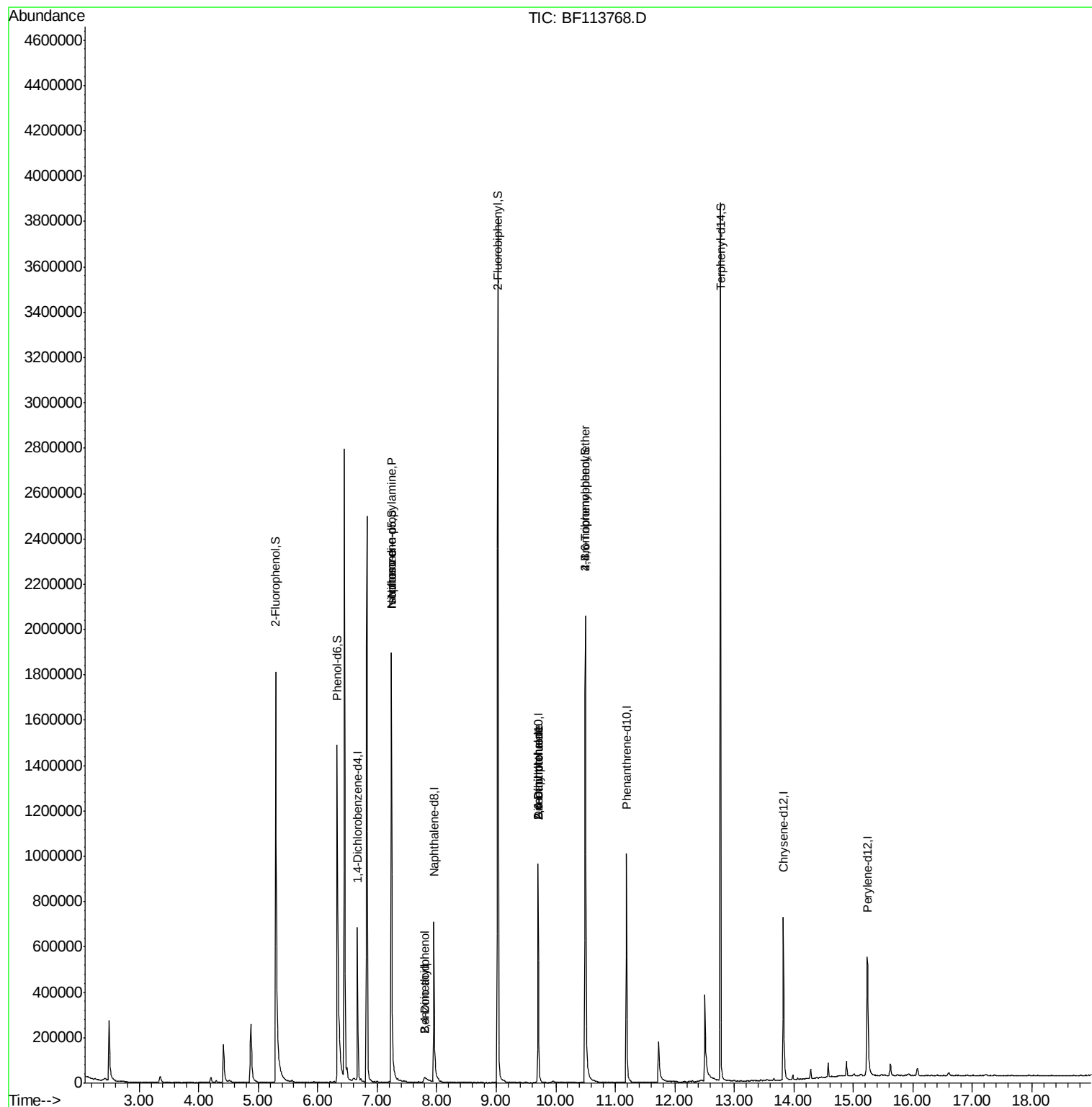
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.67	152	116762	20.00	ng	-0.02
21) Naphthalene-d8	7.95	136	438287	20.00	ng	-0.02
39) Acenaphthene-d10	9.70	164	213470	20.00	ng	-0.02
64) Phenanthrene-d10	11.19	188	441782	20.00	ng	-0.02
76) Chrysene-d12	13.82	240	327869	20.00	ng	-0.02
87) Perylene-d12	15.24	264	300526	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.30	112	780759	114.02	ng	0.00
7) Phenol-d6	6.33	99	907273	107.51	ng	-0.01
23) Nitrobenzene-d5	7.24	82	687291	91.85	ng	-0.02
42) 2,4,6-Tribromophenol	10.50	330	363180	141.63	ng	-0.02
45) 2-Fluorobiphenyl	9.03	172	1297335	97.84	ng	-0.02
79) Terphenyl-d14	12.77	244	1483529	92.12	ng	-0.02
Target Compounds						
19) n-Nitroso-di-n-propylamine	7.24	70	87302	16.776	ng	# 78
25) Isophorone	7.24	82	687288	47.682	ng	# 64
27) 2,4-Dimethylphenol	7.80	122	20737	3.498	ng	# 5
32) Benzoic acid	7.80	122	21279	4.635	ng	# 98
50) Dimethylphthalate	9.70	163	49233	3.129	ng	# 1
51) 2,6-Dinitrotoluene	9.70	165	26972	7.776	ng	# 26
57) 2,4-Dinitrotoluene	9.70	165	26972	6.430	ng	# 23
67) 4-Bromophenyl-phenylether	10.50	248	20315	4.100	ng	# 1

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

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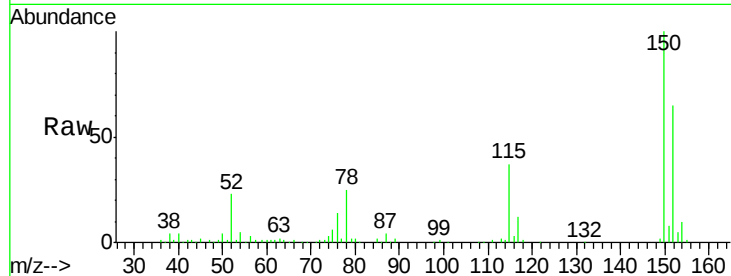


#1

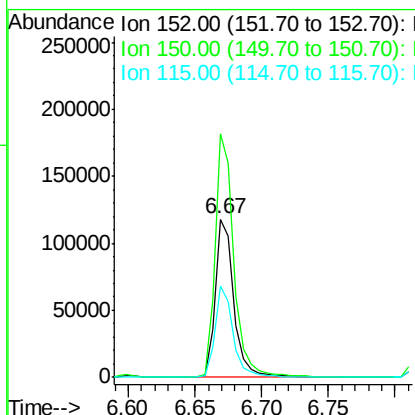
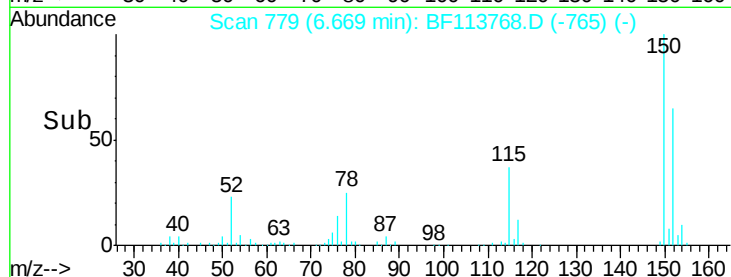
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.67 min Scan# 779
Delta R.T. -0.02 min
Lab File: BF113768.D
Acq: 15 Apr 2019 17:39

Instrument :
BNA_F
ClientSampled :

Tot Ion:152 Resp: 116762
Ion Ratio Lower Upper
152 100
150 153.9 124.7 187.1
115 57.3 46.0 69.0



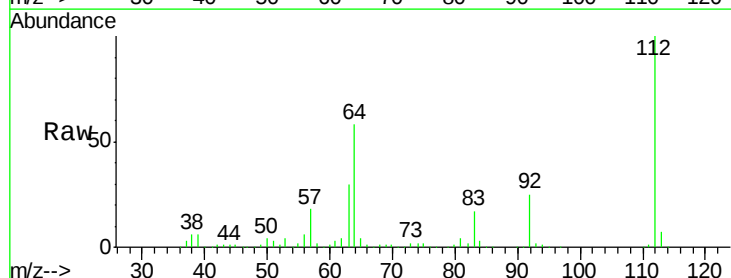
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



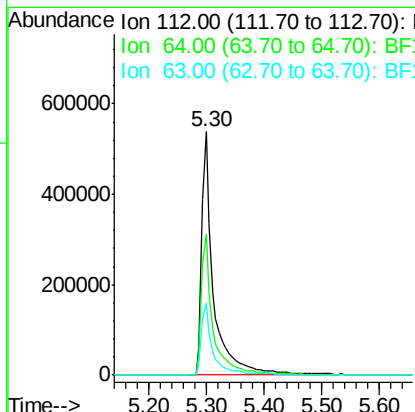
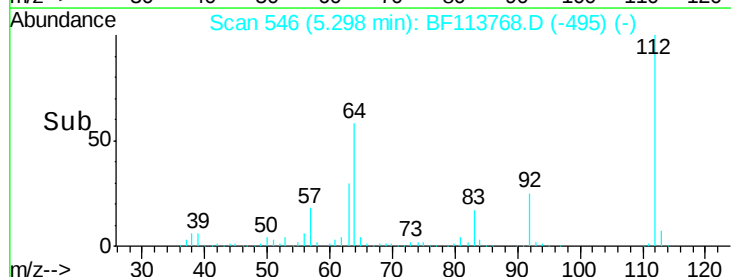
#5

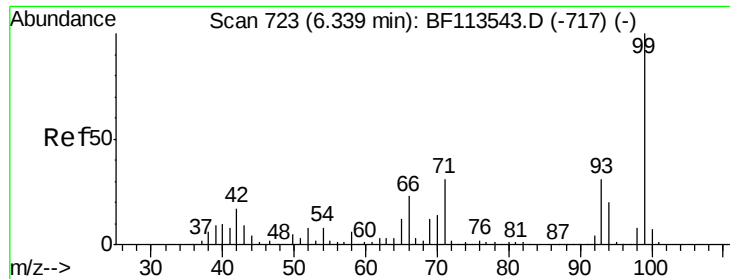
2-Fluorophenol
Concen: 114.025 ng
RT: 5.30 min Scan# 546
Delta R.T. 0.00 min
Lab File: BF113768.D
Acq: 15 Apr 2019 17:39

Tgt Ion:112 Resp: 780759
Ion Ratio Lower Upper
112 100
64 58.1 49.2 73.8
63 29.6 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: 107.505 ng

RT: 6.33 min Scan# 721

Delta R.T. -0.01 min

Lab File: BF113768.D

Acq: 15 Apr 2019 17:39

Instrument :

BNA_F

ClientSampleId :

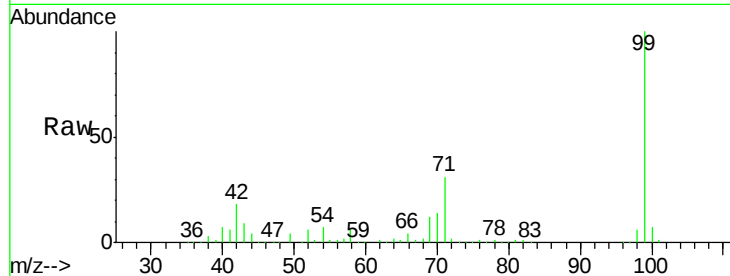
Tot Ion: 99 Resp: 907273

Ion Ratio Lower Upper

99 100

42 18.3 14.8 22.2

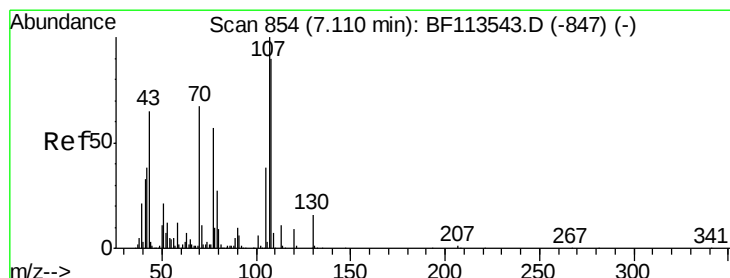
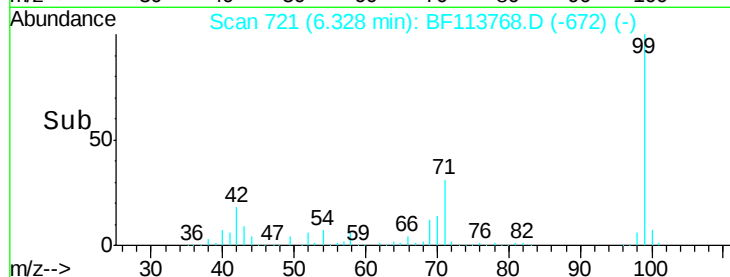
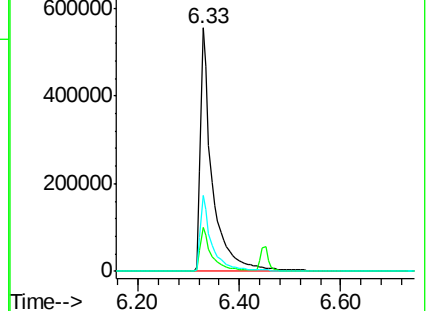
71 31.0 24.9 37.3



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: 16.776 ng

RT: 7.24 min Scan# 876

Delta R.T. 0.13 min

Lab File: BF113768.D

Acq: 15 Apr 2019 17:39

Tgt Ion: 70 Resp: 87302

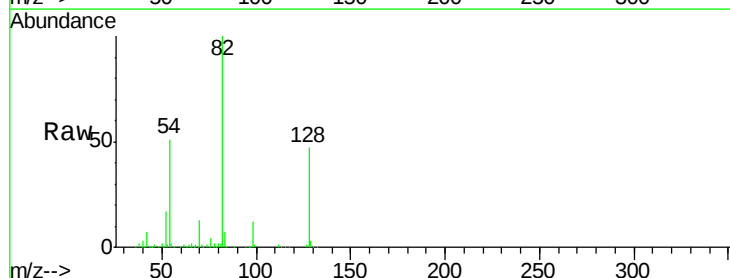
Ion Ratio Lower Upper

70 100

42 50.1 48.4 72.6

101 0.0 7.8 11.8#

130 2.6 18.2 27.4#

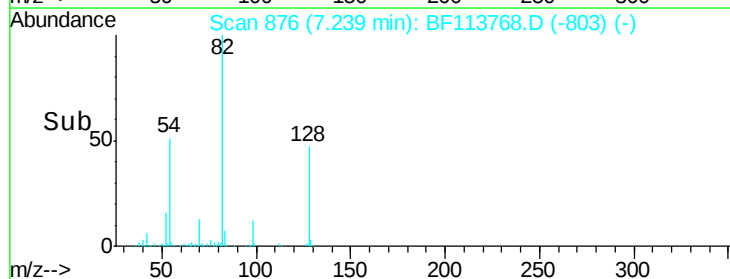
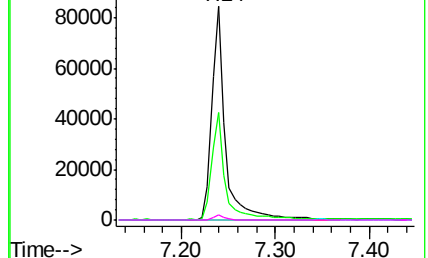


Abundance Ion 70.00 (69.70 to 70.70): BF1

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: 7.95 min Scan# 997

Delta R.T. -0.02 min

Lab File: BF113768.D

Acq: 15 Apr 2019 17:39

Instrument :

BNA_F

ClientSampleId :

Tot Ion:136 Resp: 438287

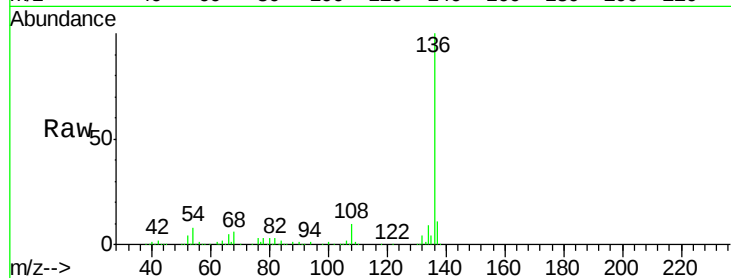
Ion Ratio Lower Upper

136 100

137 11.1 8.9 13.3

54 8.4 7.0 10.6

68 6.2 4.8 7.2

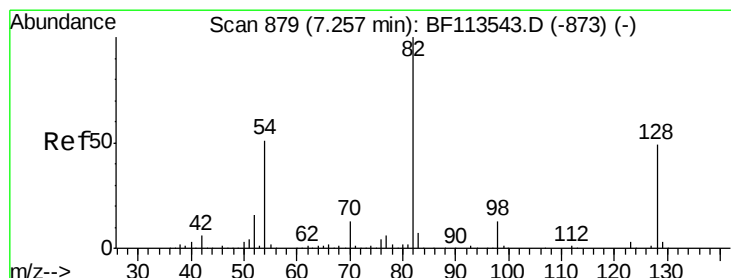
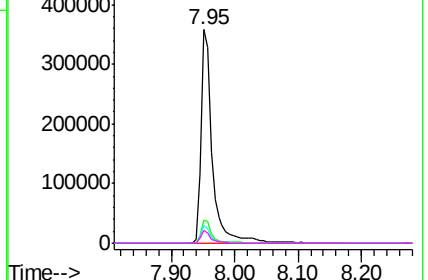
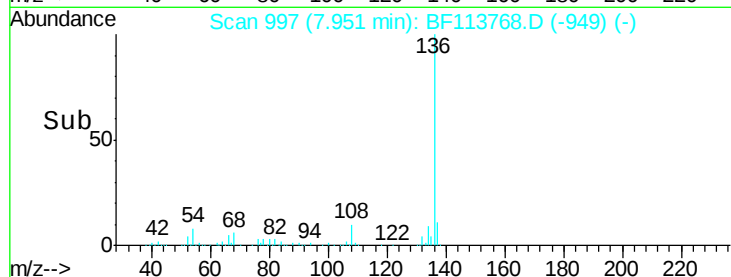


Abundance Ion 136.00 (135.70 to 136.70): E

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: 91.854 ng

RT: 7.24 min Scan# 876

Delta R.T. -0.02 min

Lab File: BF113768.D

Acq: 15 Apr 2019 17:39

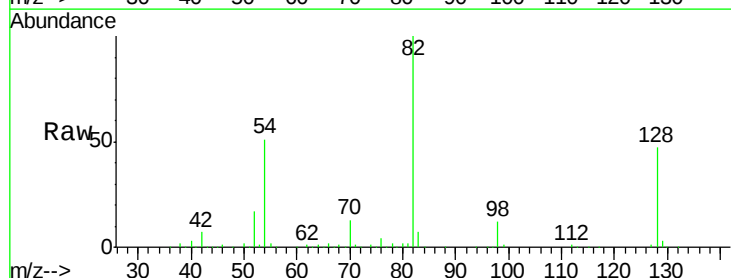
Tgt Ion: 82 Resp: 687291

Ion Ratio Lower Upper

82 100

128 47.3 36.5 54.7

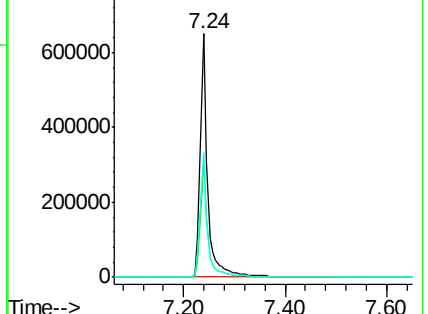
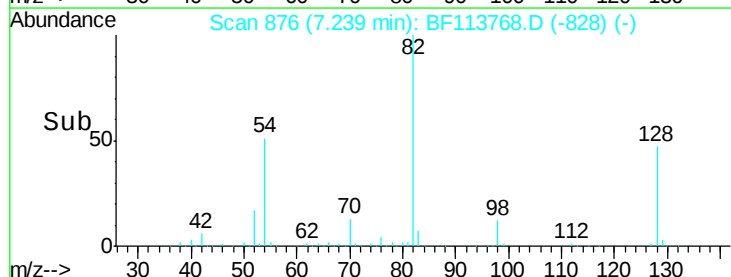
54 51.4 42.2 63.2

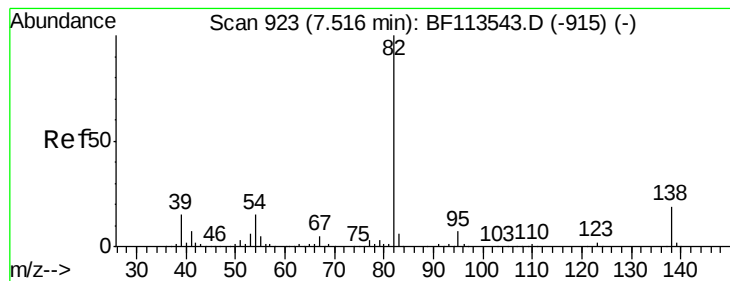


Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF1





#25

Isophorone

Concen: 47.682 ng

RT: 7.24 min Scan# 876

Delta R.T. -0.28 min

Lab File: BF113768.D

Acq: 15 Apr 2019 17:39

Instrument :

BNA_F

ClientSampled :

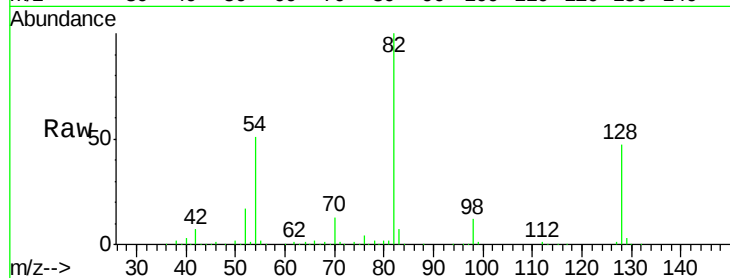
Tot Ion: 82 Resp: 687288

Ion Ratio Lower Upper

82 100

95 0.0 5.5 8.3#

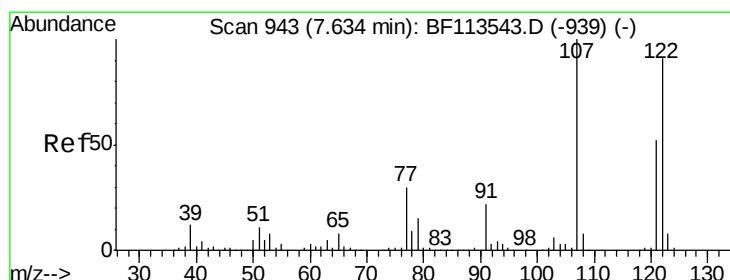
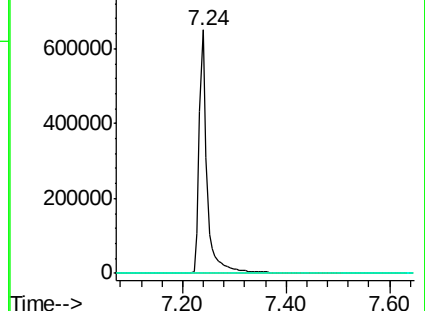
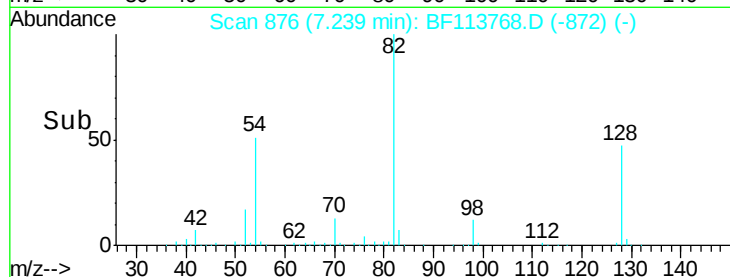
138 0.0 15.2 22.8#



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



#27

2,4-Dimethylphenol

Concen: 3.498 ng

RT: 7.80 min Scan# 972

Delta R.T. 0.17 min

Lab File: BF113768.D

Acq: 15 Apr 2019 17:39

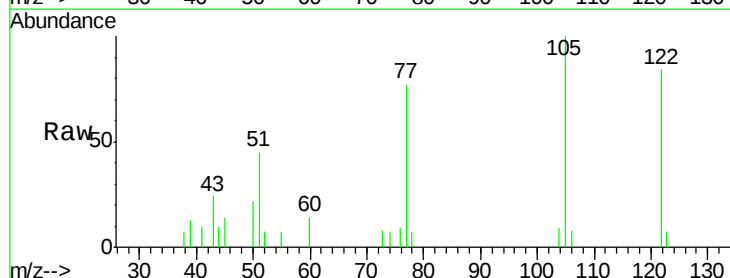
Tgt Ion: 122 Resp: 20737

Ion Ratio Lower Upper

122 100

107 0.0 88.8 133.2#

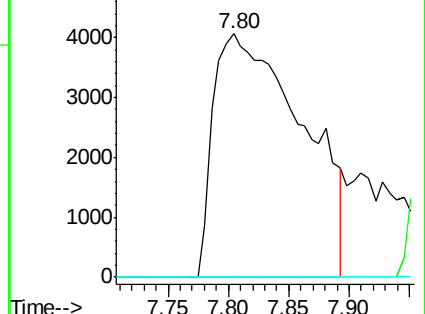
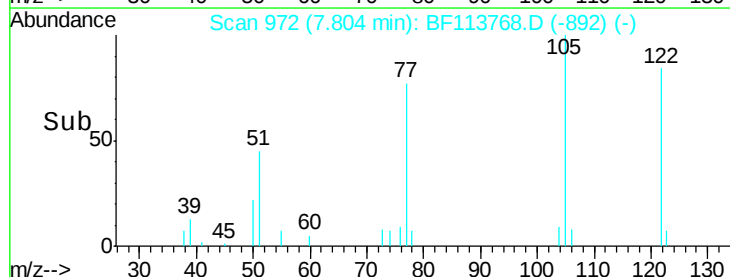
121 0.0 45.5 68.3#

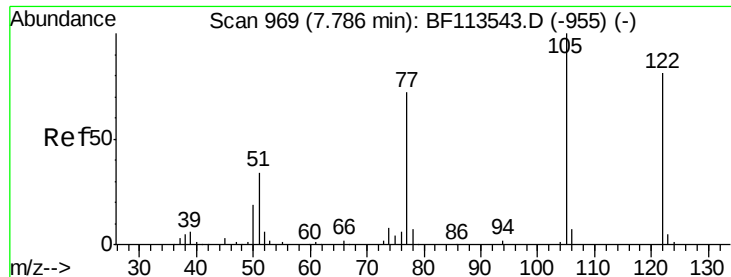


Abundance Ion 122.00 (121.70 to 122.70): BF1

Ion 107.00 (106.70 to 107.70): BF1

Ion 121.00 (120.70 to 121.70): BF1

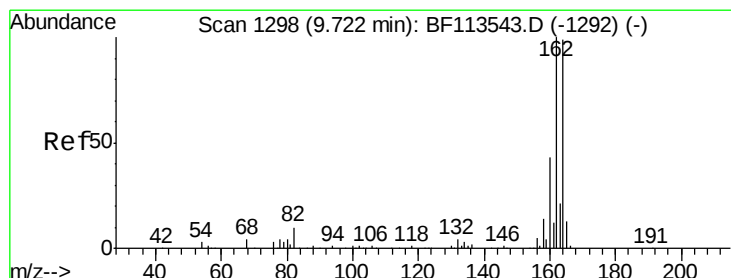
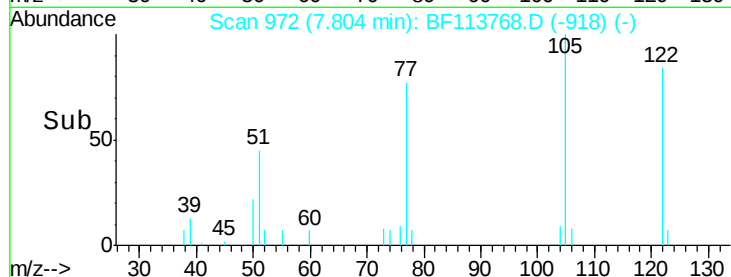
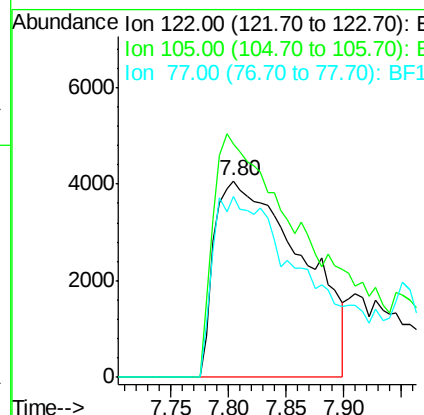
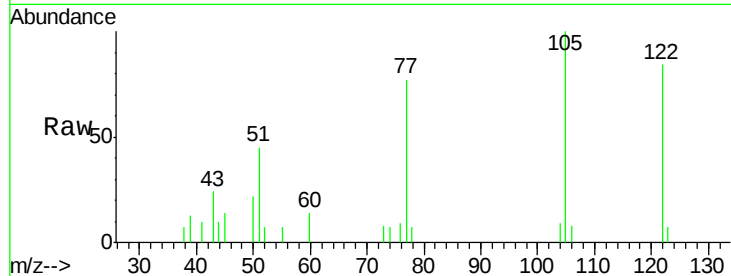




#32
Benzoic acid
Concen: 4.635 ng
RT: 7.80 min Scan# 972
Delta R.T. 0.02 min
Lab File: BF113768.D
Acq: 15 Apr 2019 17:39

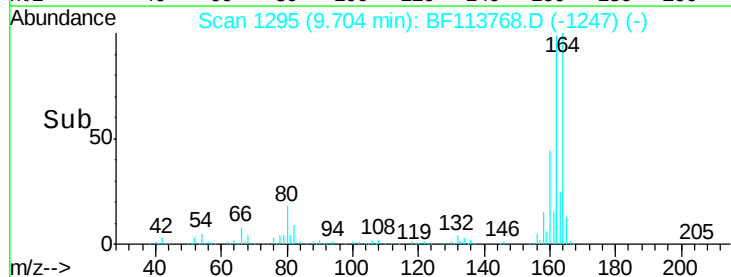
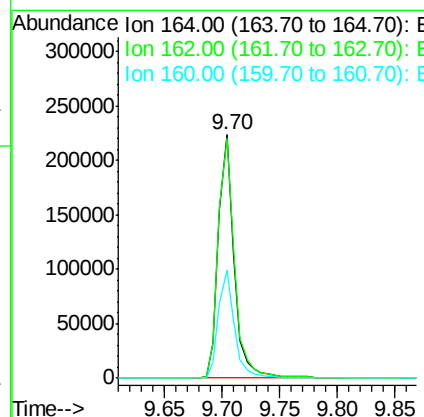
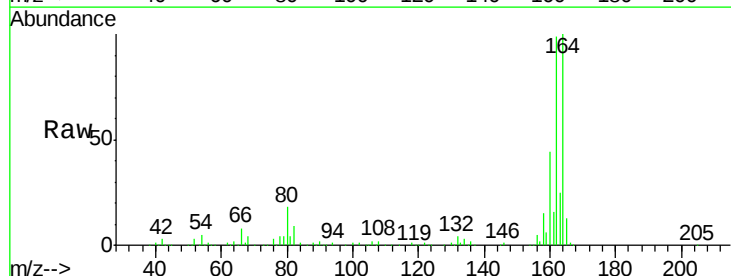
Instrument :
BNA_F
ClientSampleId :

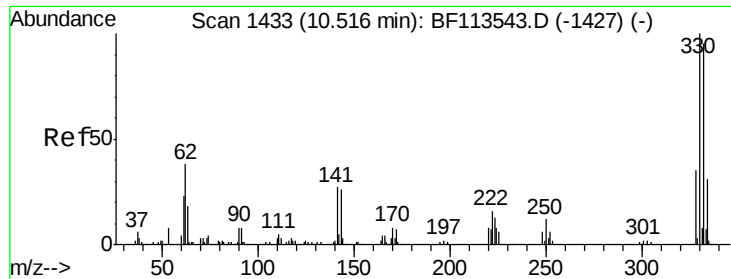
Tot Ion:122 Resp: 21279
Ion Ratio Lower Upper
122 100
105 119.0 100.4 140.4
77 92.2 69.0 109.0



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.70 min Scan# 1295
Delta R.T. -0.02 min
Lab File: BF113768.D
Acq: 15 Apr 2019 17:39

Tgt Ion:164 Resp: 213470
Ion Ratio Lower Upper
164 100
162 98.6 81.8 122.6
160 44.5 36.4 54.6

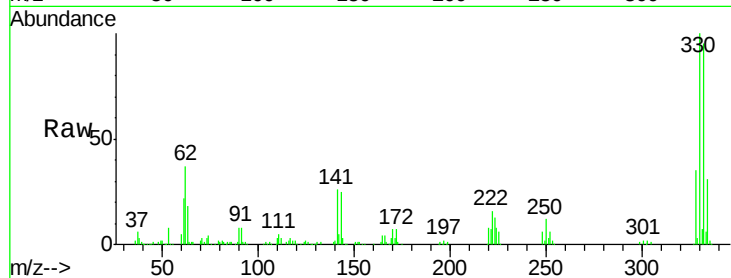




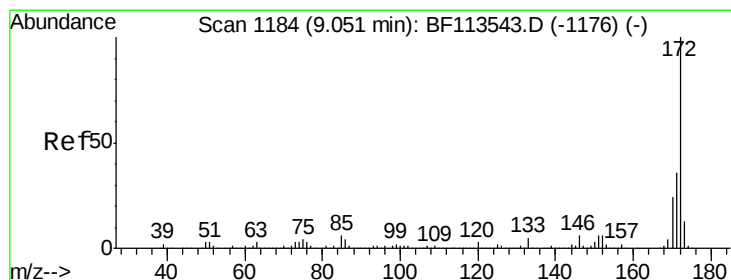
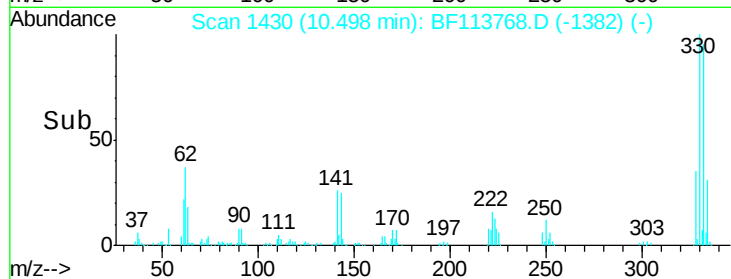
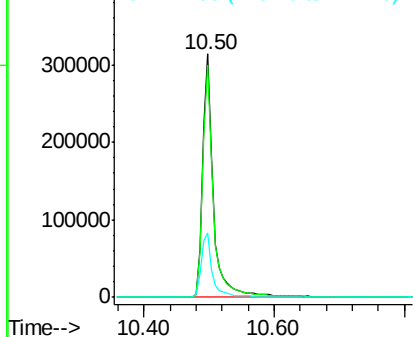
#42
 2,4,6-Tribromophenol
 Concen: 141.630 ng
 RT: 10.50 min Scan# 1430
 Delta R.T. -0.02 min
 Lab File: BF113768.D
 Acq: 15 Apr 2019 17:39

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
330	100		
332	96.1	77.8	116.6
141	28.1	22.7	34.1

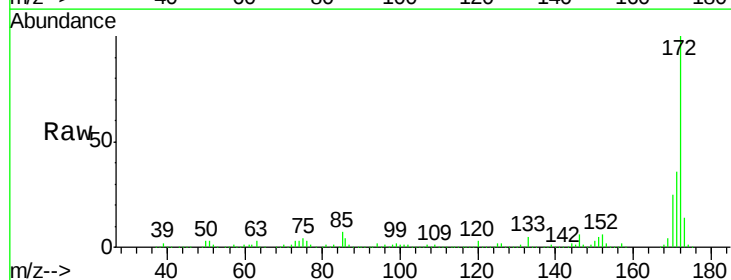


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

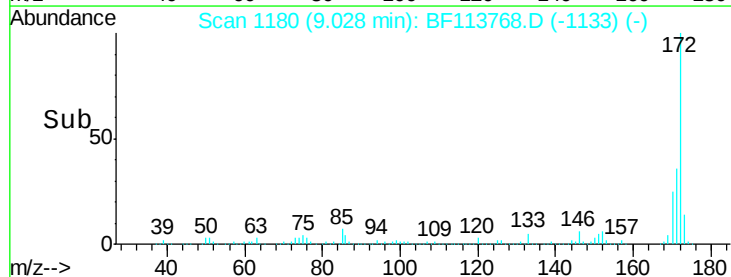
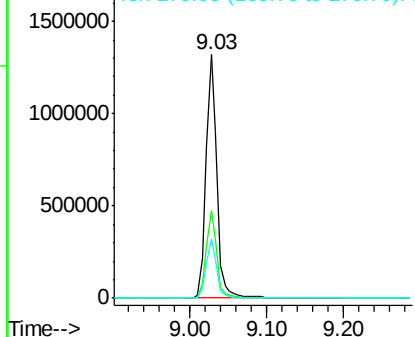


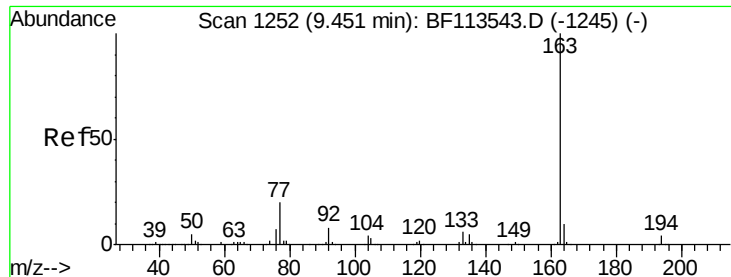
#45
 2-Fluorobiphenyl
 Concen: 97.839 ng
 RT: 9.03 min Scan# 1180
 Delta R.T. -0.02 min
 Lab File: BF113768.D
 Acq: 15 Apr 2019 17:39

Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.1	29.0	43.6
170	24.6	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

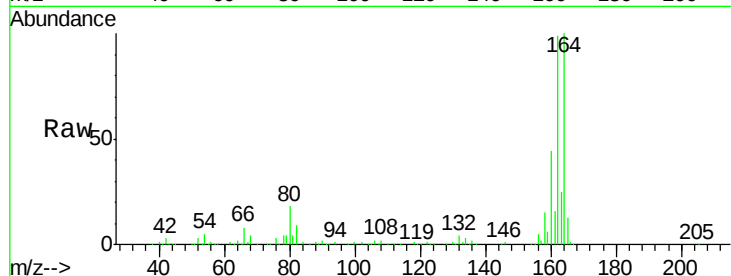




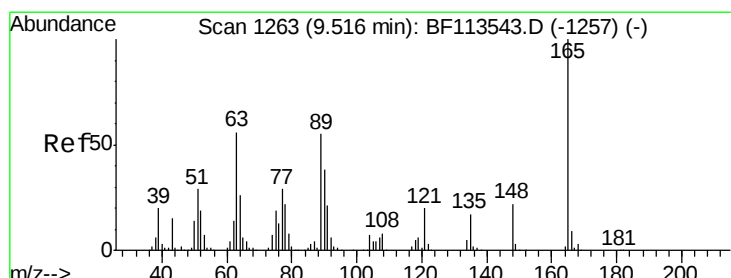
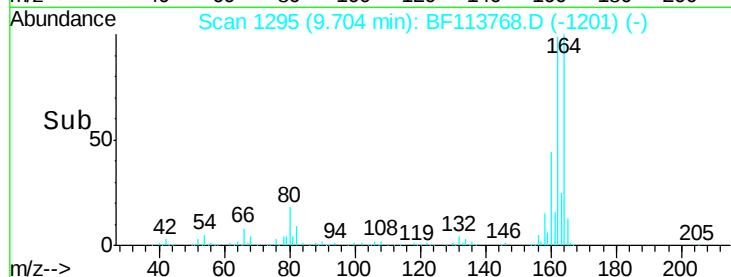
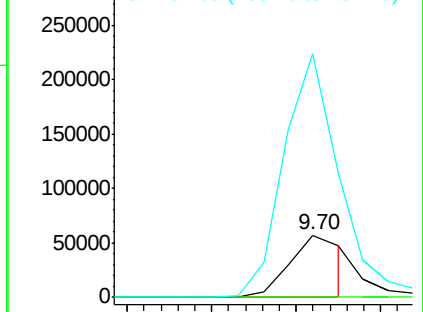
#50
Dimethylphthalate
Concen: 3.129 ng
RT: 9.70 min Scan# 1295
Delta R.T. 0.25 min
Lab File: BF113768.D
Acq: 15 Apr 2019 17:39

Instrument :
BNA_F
ClientSampleId :

Tot Ion:163 Resp: 49233
Ion Ratio Lower Upper
163 100
194 0.0 3.0 4.6#
164 393.7 8.1 12.1#

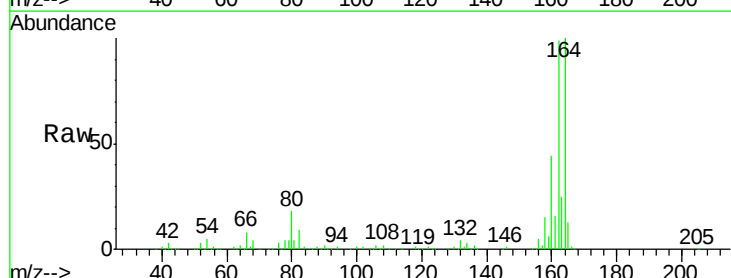


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

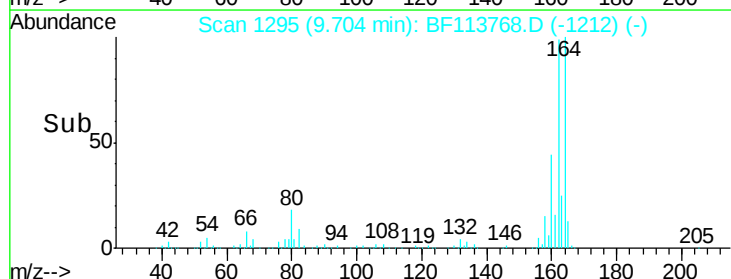
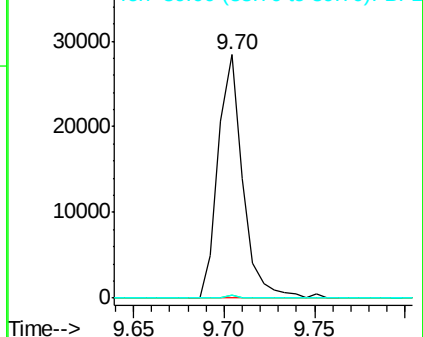


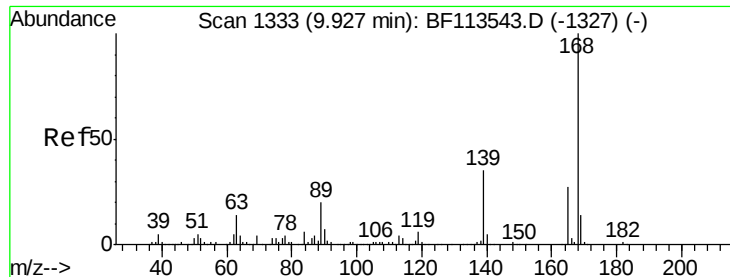
#51
2,6-Dinitrotoluene
Concen: 7.776 ng
RT: 9.70 min Scan# 1295
Delta R.T. 0.19 min
Lab File: BF113768.D
Acq: 15 Apr 2019 17:39

Tgt Ion:165 Resp: 26972
Ion Ratio Lower Upper
165 100
63 1.2 43.4 65.0#
89 1.3 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

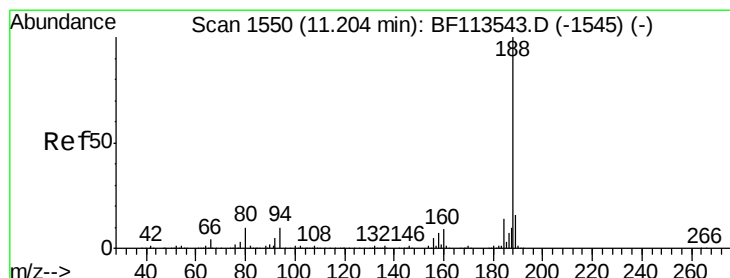
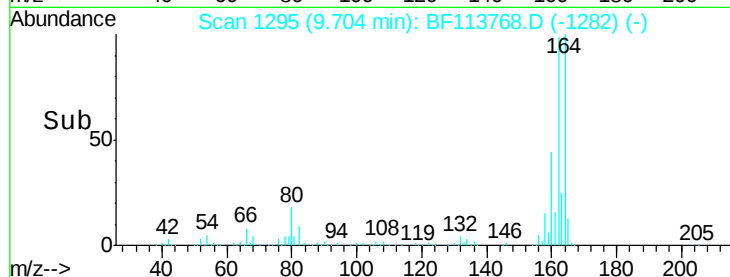
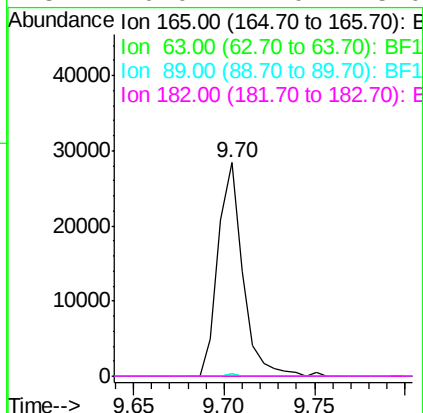
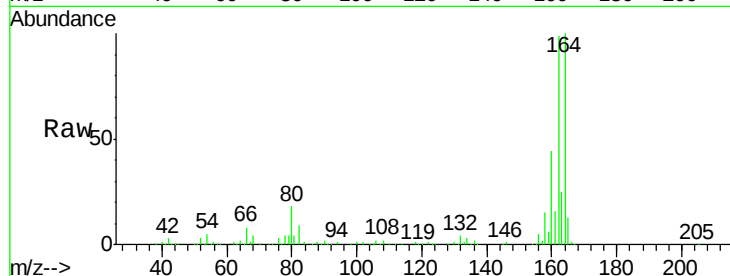




#57
 2,4-Dinitrotoluene
 Concen: 6.430 ng
 RT: 9.70 min Scan# 1295
 Delta R.T. -0.22 min
 Lab File: BF113768.D
 Acq: 15 Apr 2019 17:39

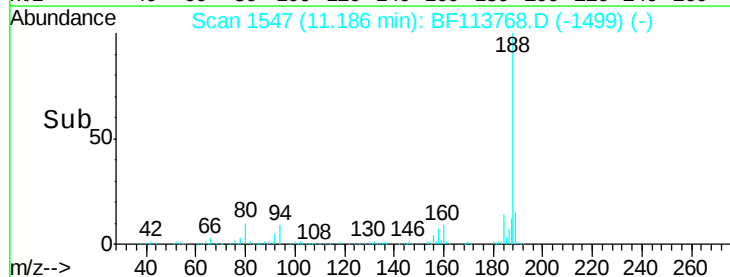
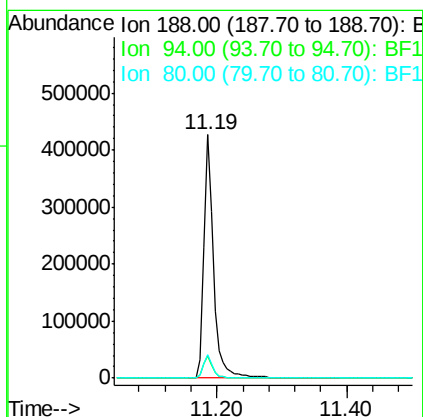
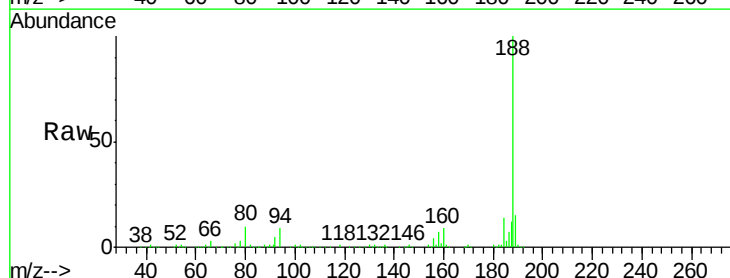
Instrument :
 BNA_F
 ClientSampleId :

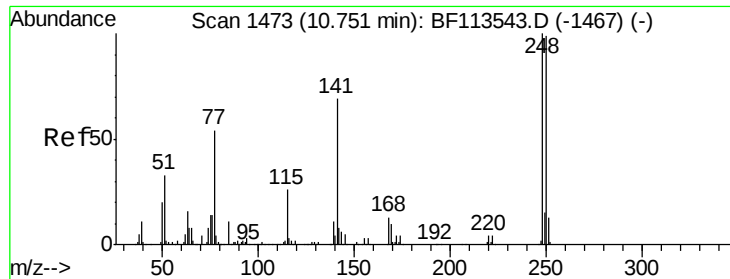
Tot Ion:165 Resp: 26972
 Ion Ratio Lower Upper
 165 100
 63 1.2 37.5 56.3#
 89 1.3 57.4 86.2#
 182 0.0 2.0 3.0#



#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.19 min Scan# 1547
 Delta R.T. -0.02 min
 Lab File: BF113768.D
 Acq: 15 Apr 2019 17:39

Tgt Ion:188 Resp: 441782
 Ion Ratio Lower Upper
 188 100
 94 9.3 7.0 10.6
 80 9.7 7.7 11.5

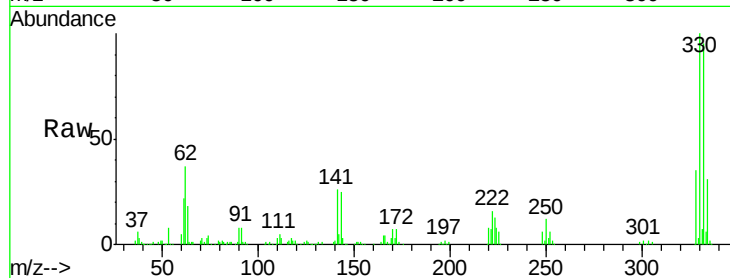




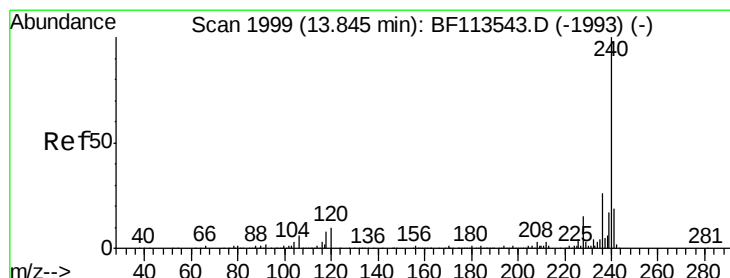
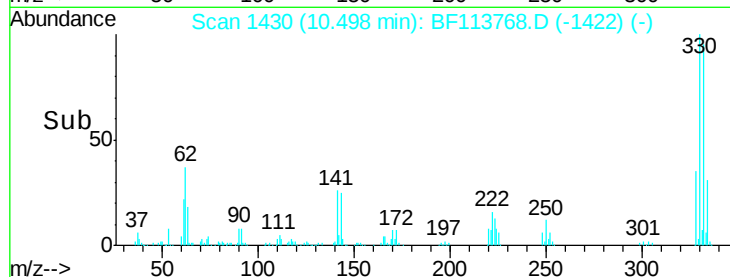
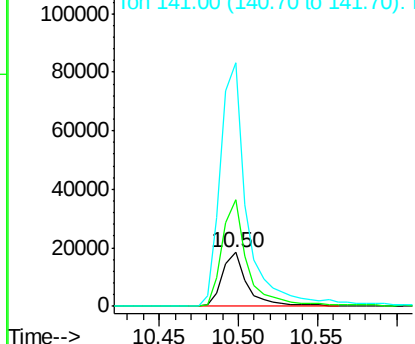
#67
 4-Bromophenyl-phenylether
 Concen: 4.100 ng
 RT: 10.50 min Scan# 1430
 Delta R.T. -0.25 min
 Lab File: BF113768.D
 Acq: 15 Apr 2019 17:39

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:248 Resp: 20315
 Ion Ratio Lower Upper
 248 100
 250 197.5 78.3 117.5#
 141 450.6 56.2 84.4#

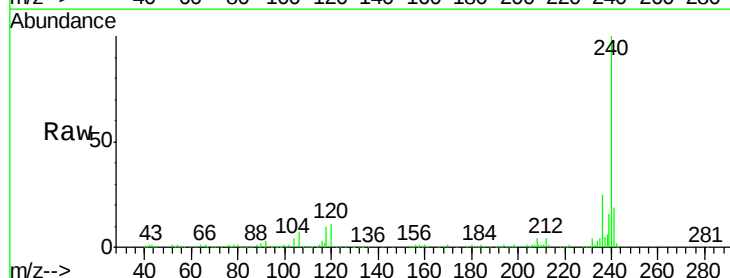


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

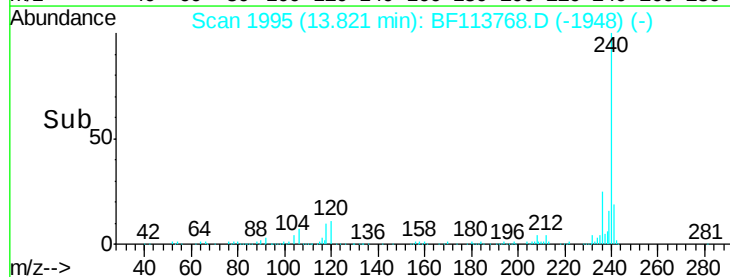
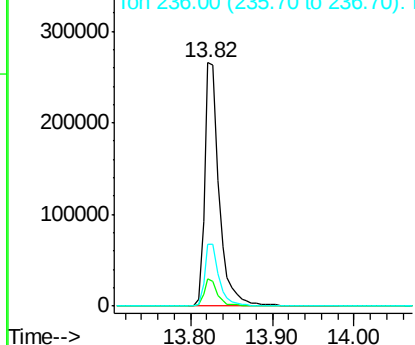


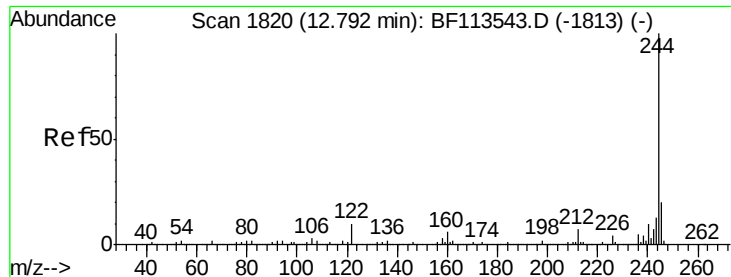
#76
 Chrysene-d12
 Concen: 20.000 ng
 RT: 13.82 min Scan# 1995
 Delta R.T. -0.02 min
 Lab File: BF113768.D
 Acq: 15 Apr 2019 17:39

Tgt Ion:240 Resp: 327869
 Ion Ratio Lower Upper
 240 100
 120 11.1 8.8 13.2
 236 25.3 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: 92.125 ng

RT: 12.77 min Scan# 1816

Delta R.T. -0.02 min

Lab File: BF113768.D

Acq: 15 Apr 2019 17:39

Instrument :

BNA_F

ClientSampleId :

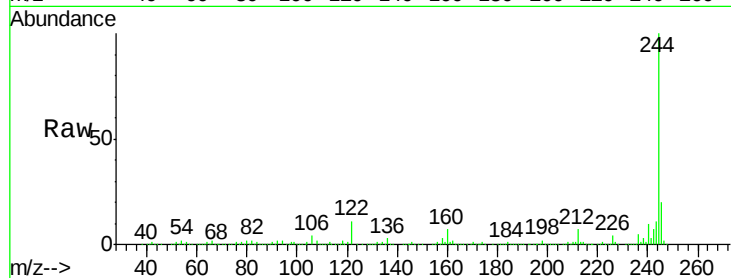
Tot Ion:244 Resp: 1483529

Ion Ratio Lower Upper

244 100

212 6.8 5.5 8.3

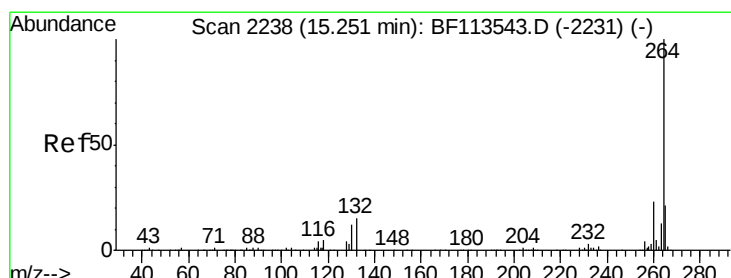
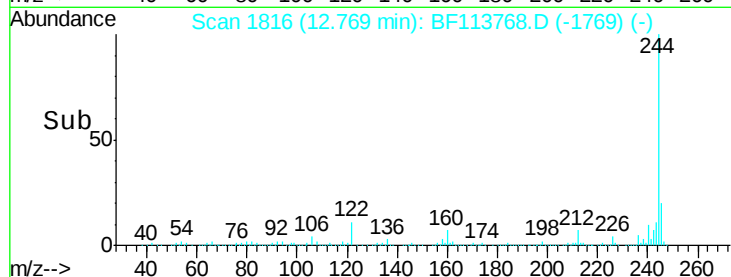
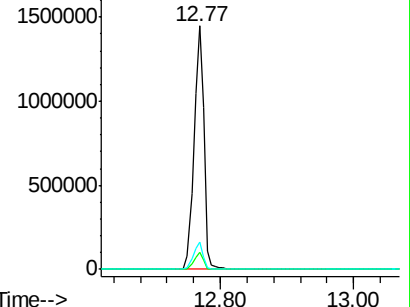
122 11.2 8.6 13.0



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: 15.24 min Scan# 2236

Delta R.T. -0.01 min

Lab File: BF113768.D

Acq: 15 Apr 2019 17:39

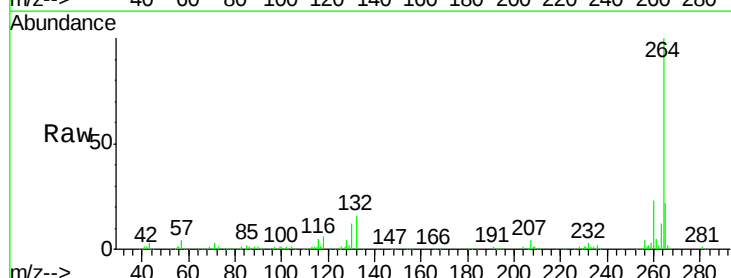
Tgt Ion:264 Resp: 300526

Ion Ratio Lower Upper

264 100

260 22.6 19.1 28.7

265 21.7 17.1 25.7



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

