

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF031219\
 Data File : BF113017.D
 Acq On : 12 Mar 2019 21:58
 Operator : JU/SJ
 Sample : K1847-16
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SUP-7B-C-3-031119

Quant Time: Mar 13 03:59:07 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF022719.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Mar 13 03:42:55 2019
 Response via : Initial Calibration

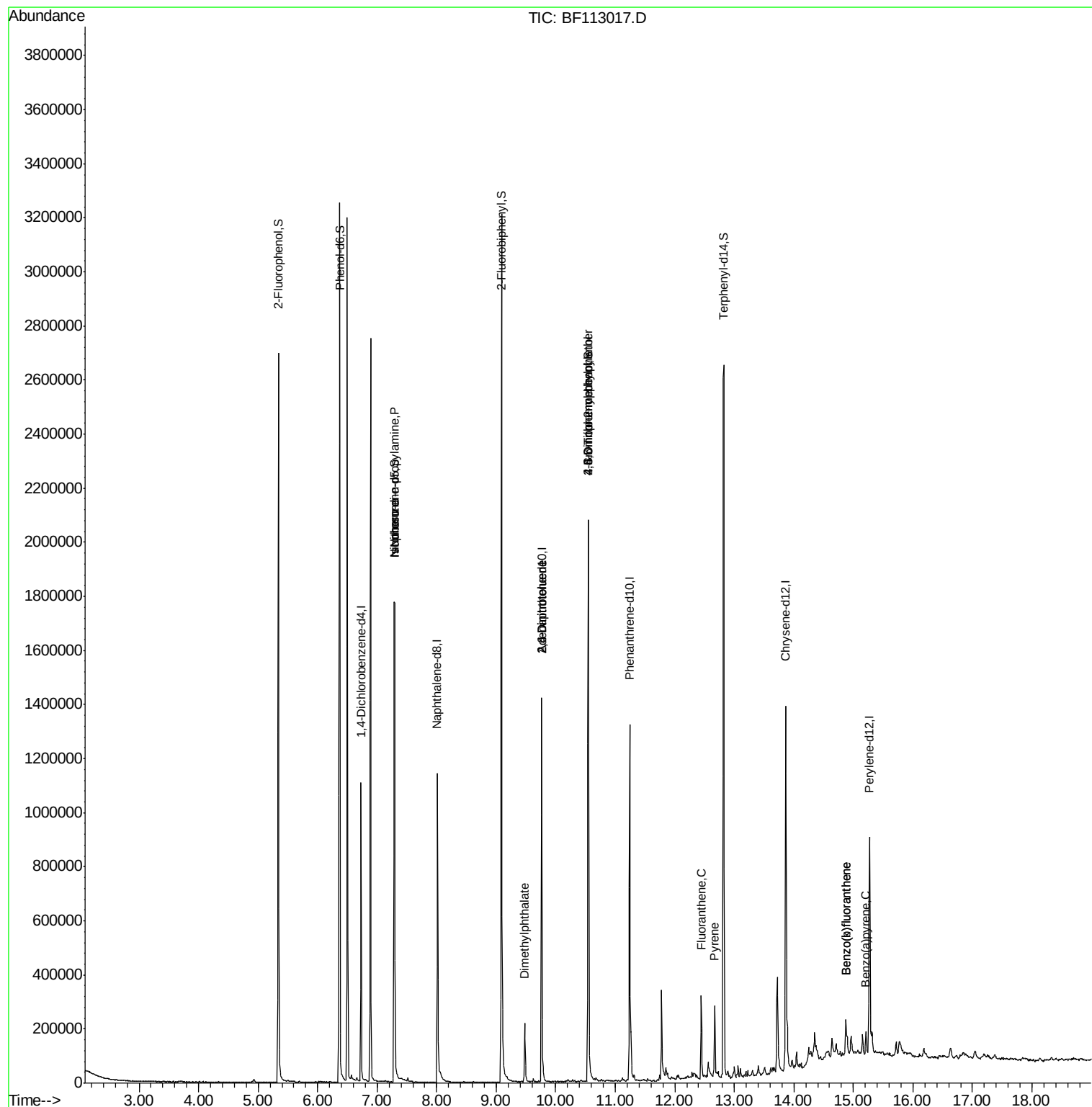
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.73	152	176131	20.00	ng	0.00
21) Naphthalene-d8	8.01	136	663044	20.00	ng	0.00
39) Acenaphthene-d10	9.76	164	303103	20.00	ng	0.00
64) Phenanthrene-d10	11.24	188	554362	20.00	ng	0.00
76) Chrysene-d12	13.86	240	484794	20.00	ng	0.00
87) Perylene-d12	15.27	264	399852	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.35	112	841069	74.28	ng	0.00
7) Phenol-d6	6.37	99	1108217	77.92	ng	0.00
23) Nitrobenzene-d5	7.29	82	668857	60.36	ng	-0.01
42) 2,4,6-Tribromophenol	10.55	330	308871	95.99	ng	0.00
45) 2-Fluorobiphenyl	9.09	172	1157616	58.23	ng	0.00
79) Terphenyl-d14	12.82	244	1027418	41.08	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	7.29	70	86704	9.625	ng	# 77
25) Isophorone	7.29	82	668846	28.018	ng	# 66
50) Dimethylphthalate	9.48	163	105668	4.728	ng	99
51) 2,6-Dinitrotoluene	9.76	165	37930	8.150	ng	# 18
57) 2,4-Dinitrotoluene	9.76	165	37930	6.557	ng	# 18
65) 4,6-Dinitro-2-methylphenol	10.55	198	348	4.751	ng	# 1
67) 4-Bromophenyl-phenylether	10.55	248	17880	3.062	ng	# 1
75) Fluoranthene	12.45	202	127364	4.310	ng	95
78) Pyrene	12.67	202	117835	2.883	ng	97
88) Benzo(b)fluoranthene	14.87	252	96209	3.720	ng	99
89) Benzo(k)fluoranthene	14.87	252	96209	4.107	ng	100
90) Benzo(a)pyrene	15.21	252	46178	2.019	ng	99

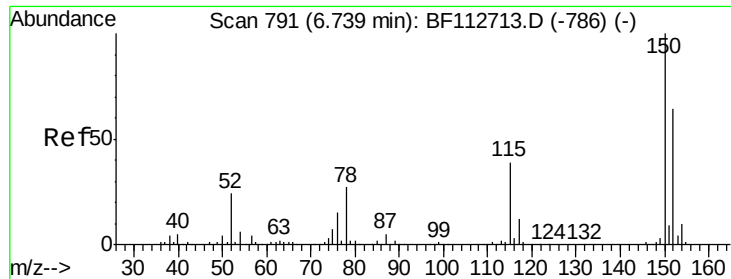
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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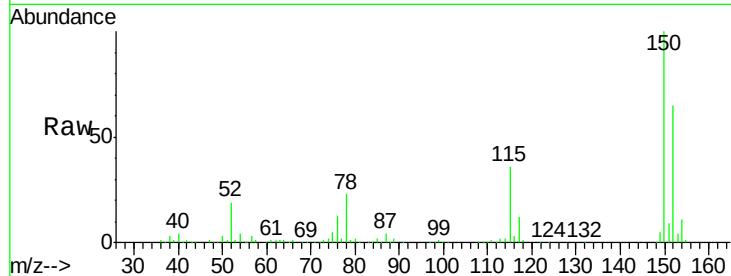


#1

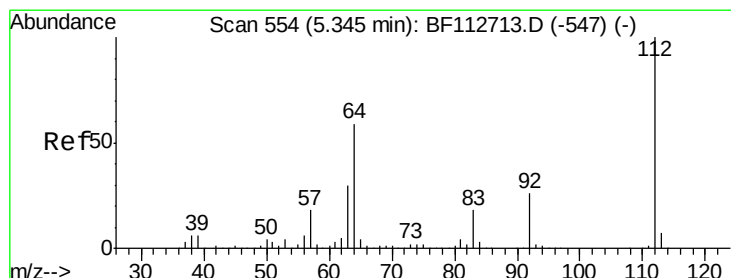
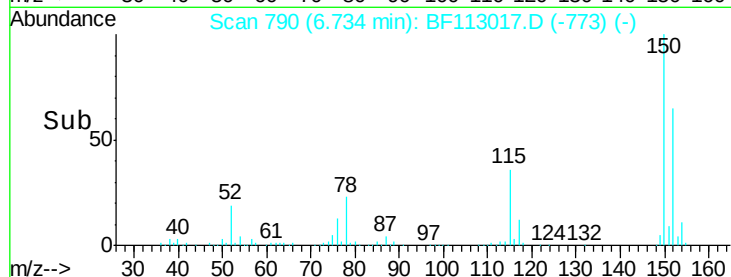
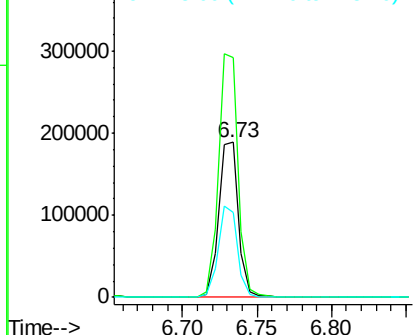
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.73 min Scan# 790
Delta R.T. 0.00 min
Lab File: BF113017.D
Acq: 12 Mar 2019 21:58

Instrument :
BNA_F
ClientSampleId :
SUP-7B-C-3-031119

Tgt Ion:152 Resp: 176131
Ion Ratio Lower Upper
152 100
150 154.5 124.2 186.2
115 54.9 48.2 72.4



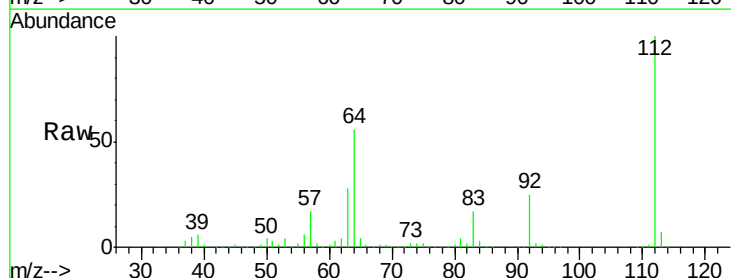
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



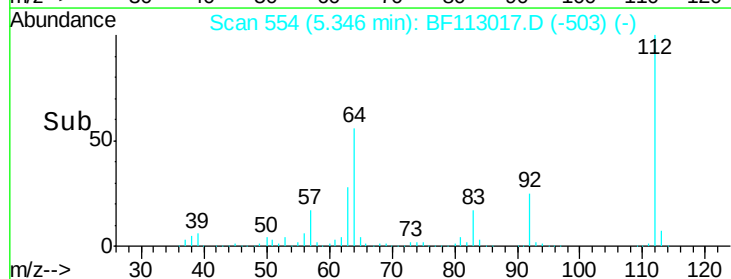
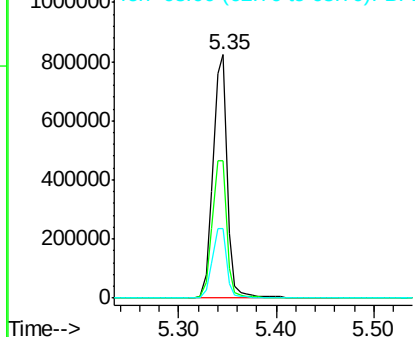
#5

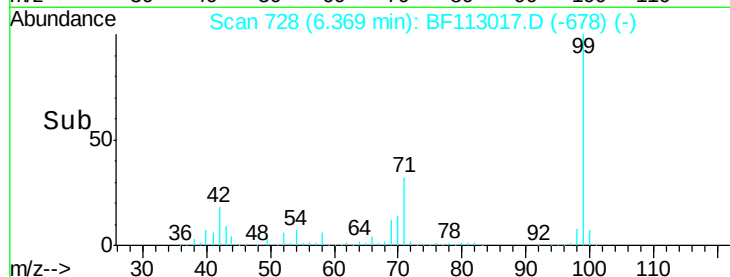
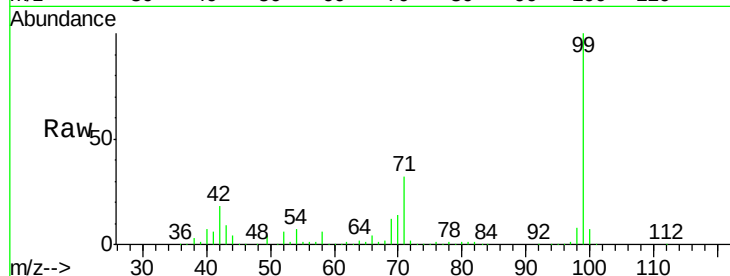
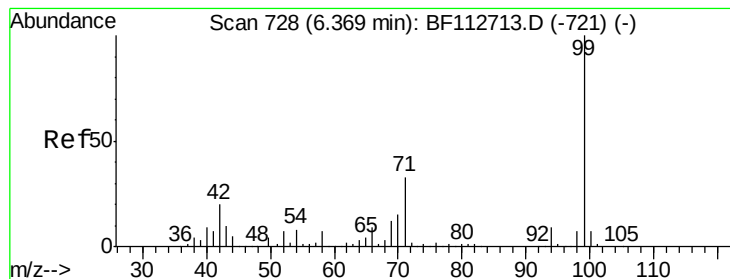
2-Fluorophenol
Concen: 74.281 ng
RT: 5.35 min Scan# 554
Delta R.T. -0.00 min
Lab File: BF113017.D
Acq: 12 Mar 2019 21:58

Tgt Ion:112 Resp: 841069
Ion Ratio Lower Upper
112 100
64 56.5 47.6 71.4
63 28.3 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: 77.916 ng

RT: 6.37 min Scan# 728

Delta R.T. -0.01 min

Lab File: BF113017.D

Acq: 12 Mar 2019 21:58

Instrument :

BNA_F

ClientSampleId :

SUP-7B-C-3-031119

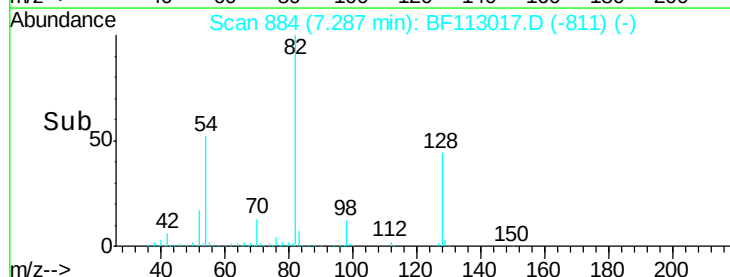
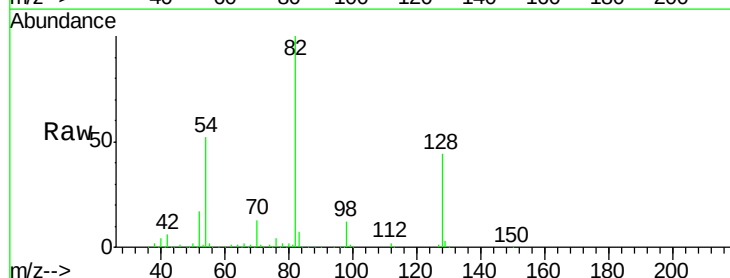
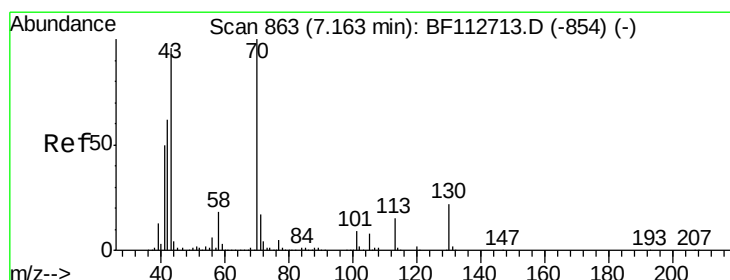
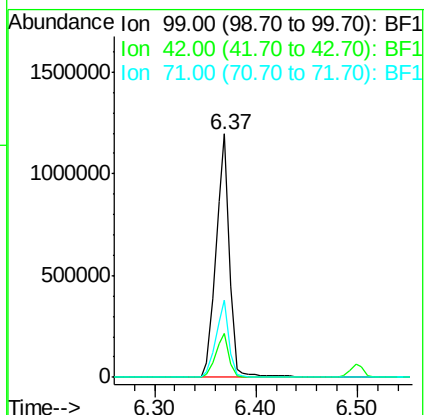
Tgt Ion: 99 Resp: 1108217

Ion Ratio Lower Upper

99 100

42 18.0 16.3 24.5

71 31.5 26.2 39.4



#19

n-Nitroso-di-n-propylamine

Concen: 9.625 ng

RT: 7.29 min Scan# 884

Delta R.T. 0.13 min

Lab File: BF113017.D

Acq: 12 Mar 2019 21:58

Tgt Ion: 70 Resp: 86704

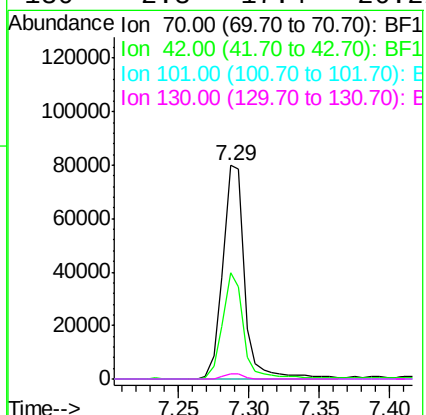
Ion Ratio Lower Upper

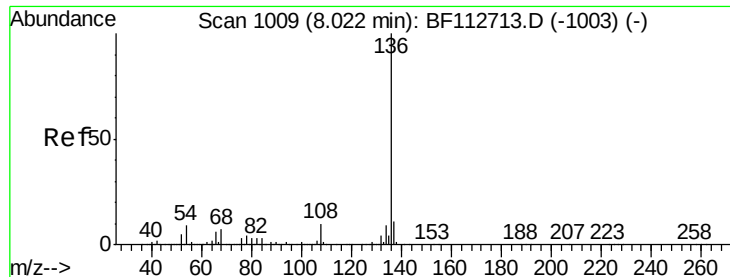
70 100

42 49.7 49.9 74.9#

101 0.0 7.4 11.2#

130 2.3 17.4 26.2#

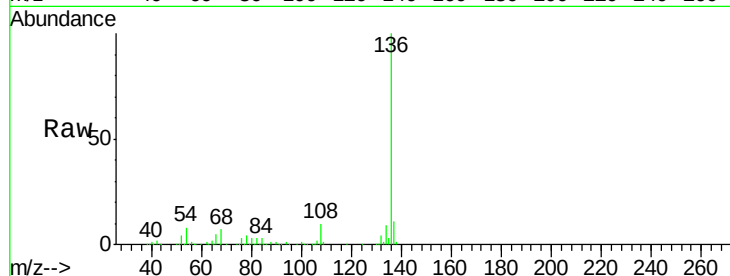




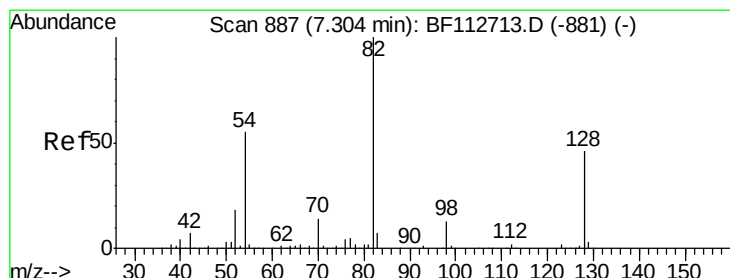
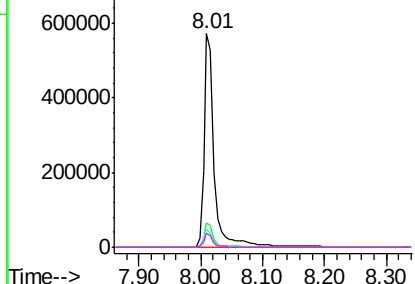
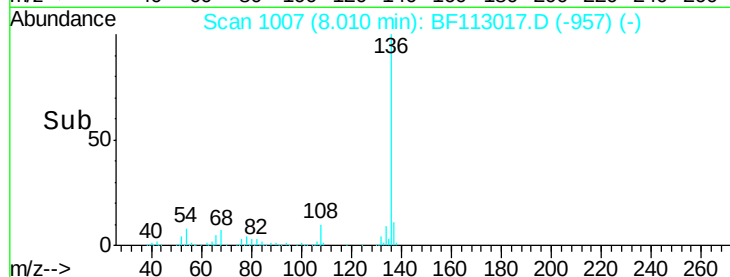
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.01 min Scan# 1007
Delta R.T. -0.01 min
Lab File: BF113017.D
Acq: 12 Mar 2019 21:58

Instrument :
BNA_F
ClientSampleId :
SUP-7B-C-3-031119

Tgt Ion:	136	Resp:	663044
Ion	Ratio	Lower	Upper
136	100		
137	11.5	8.9	13.3
54	8.3	7.3	10.9
68	6.5	5.4	8.2

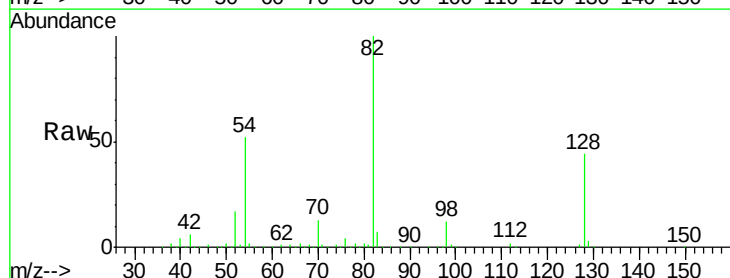


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF1
Ion 68.00 (67.70 to 68.70): BF1

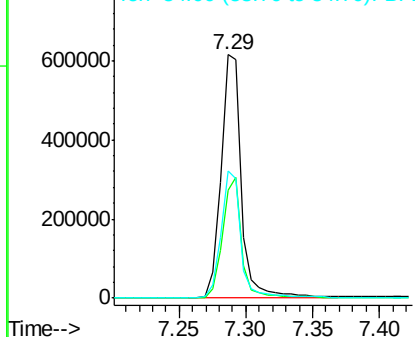
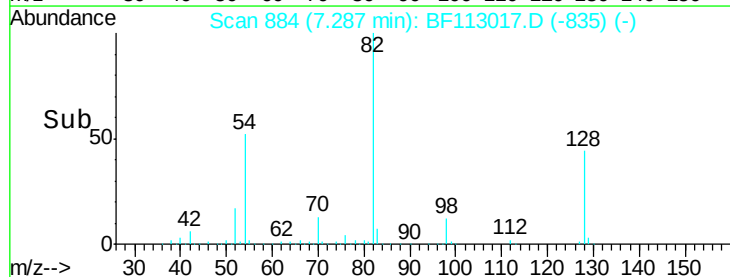


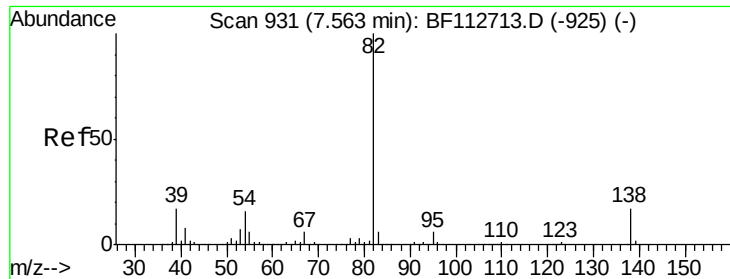
#23
Nitrobenzene-d5
Concen: 60.363 ng
RT: 7.29 min Scan# 884
Delta R.T. -0.01 min
Lab File: BF113017.D
Acq: 12 Mar 2019 21:58

Tgt Ion:	82	Resp:	668857
Ion	Ratio	Lower	Upper
82	100		
128	44.3	36.3	54.5
54	52.2	43.7	65.5



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: 28.018 ng

RT: 7.29 min Scan# 884

Delta R.T. -0.27 min

Lab File: BF113017.D

Acq: 12 Mar 2019 21:58

Instrument :

BNA_F

ClientSampleId :

SUP-7B-C-3-031119

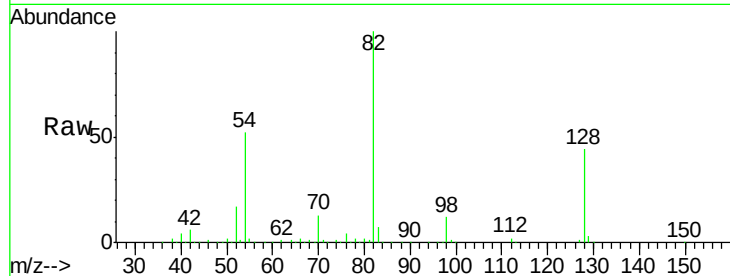
Tgt Ion: 82 Resp: 668846

Ion Ratio Lower Upper

82 100

95 0.0 5.2 7.8#

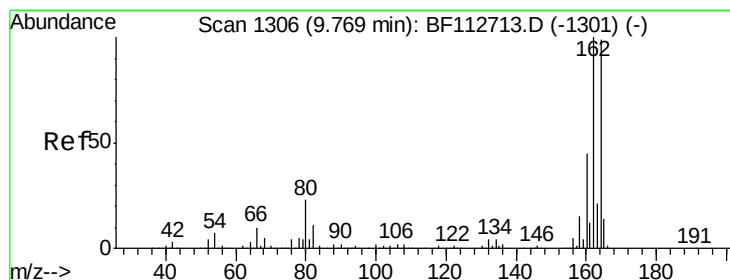
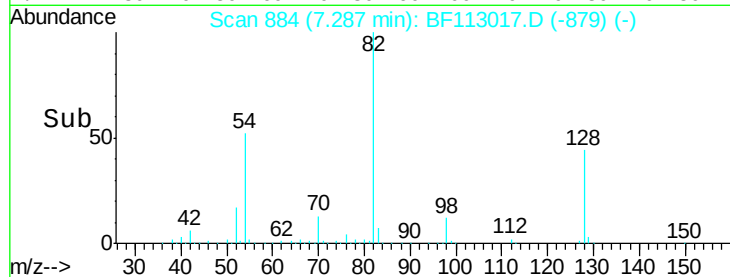
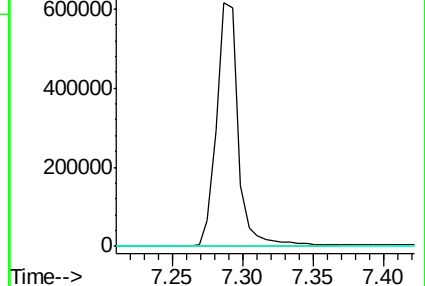
138 0.0 13.8 20.8#



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: BF113017.D

Acq: 12 Mar 2019 21:58

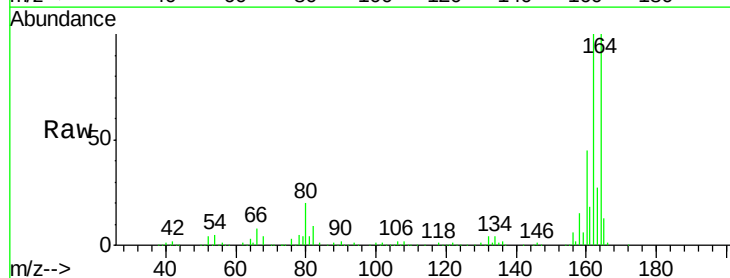
Tgt Ion: 164 Resp: 303103

Ion Ratio Lower Upper

164 100

162 99.8 80.6 120.8

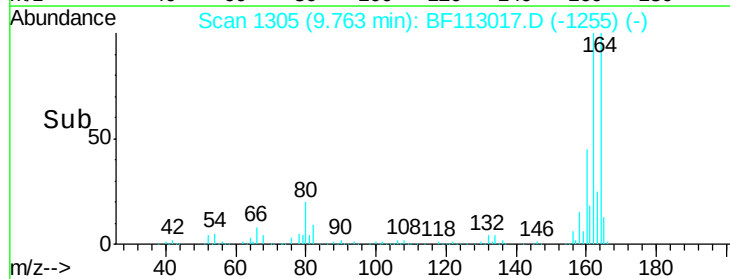
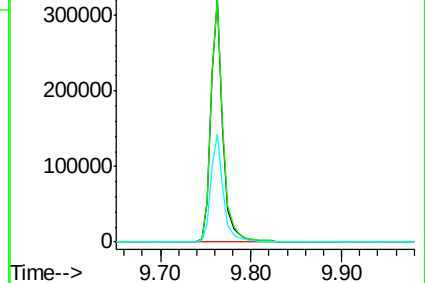
160 44.6 36.0 54.0

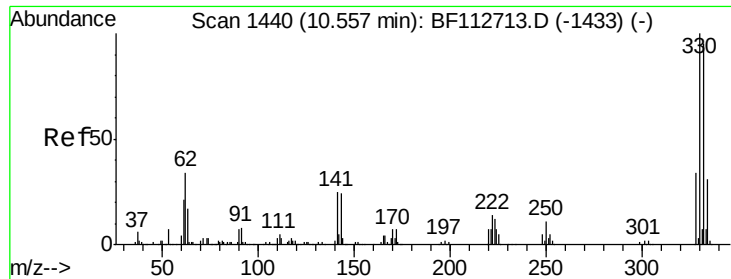


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E





#42

2,4,6-Tribromophenol

Concen: 95.988 ng

RT: 10.55 min Scan# 1438

Delta R.T. -0.01 min

Lab File: BF113017.D

Acq: 12 Mar 2019 21:58

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ClientSampleId :

SUP-7B-C-3-031119

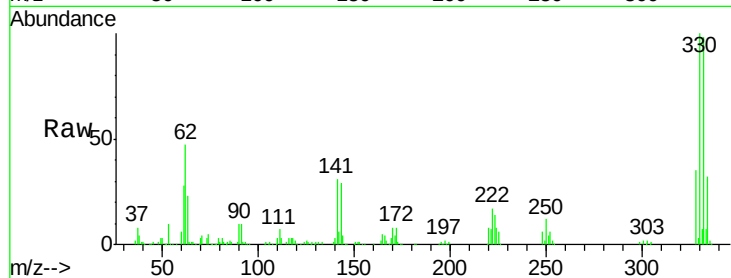
Tgt Ion:330 Resp: 308871

Ion Ratio Lower Upper

330 100

332 97.0 76.2 114.4

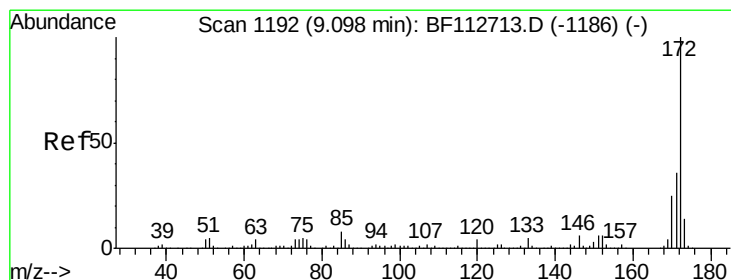
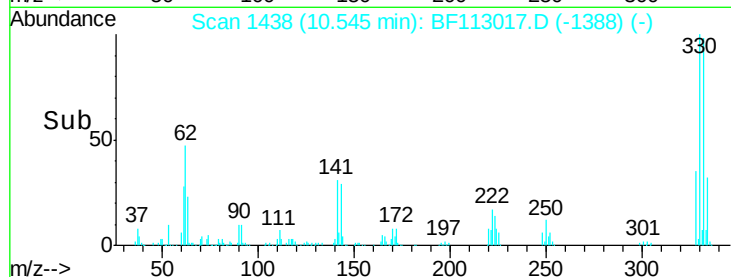
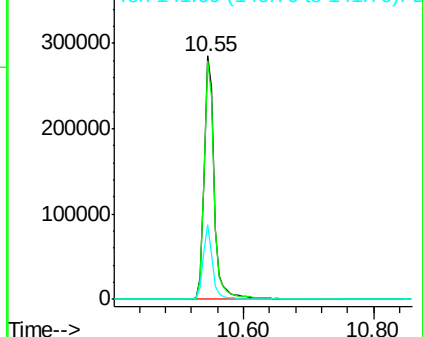
141 28.7 27.0 40.6



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: 58.228 ng

RT: 9.09 min Scan# 1190

Delta R.T. -0.01 min

Lab File: BF113017.D

Acq: 12 Mar 2019 21:58

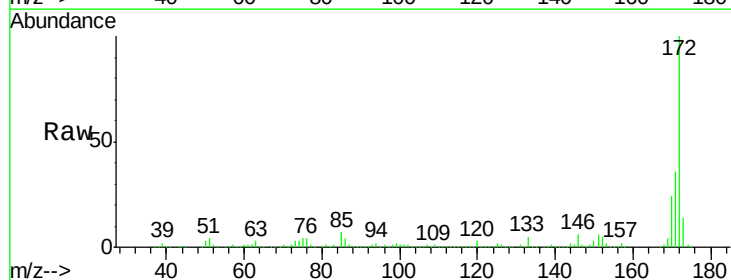
Tgt Ion:172 Resp: 1157616

Ion Ratio Lower Upper

172 100

171 35.6 29.0 43.4

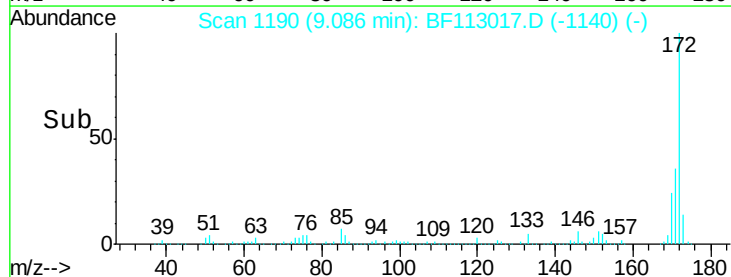
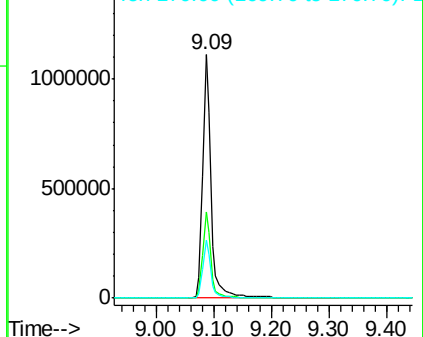
170 23.8 20.0 30.0

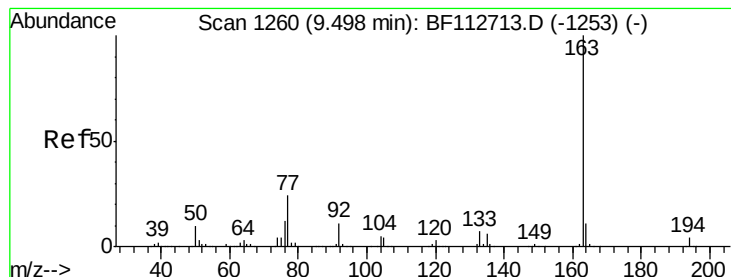


Abundance Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E





#50

Dimethylphthalate

Concen: 4.728 ng

RT: 9.48 min Scan# 1257

Delta R.T. -0.02 min

Lab File: BF113017.D

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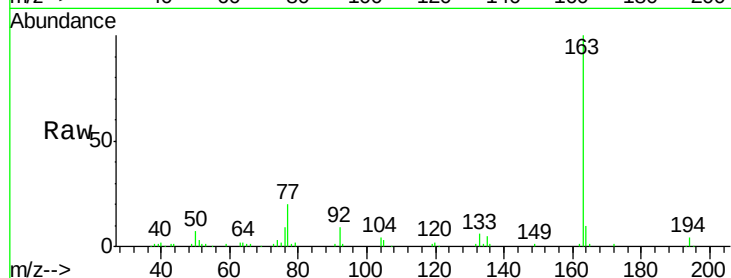
Tgt Ion:163 Resp: 105668

Ion Ratio Lower Upper

163 100

194 4.0 3.0 4.4

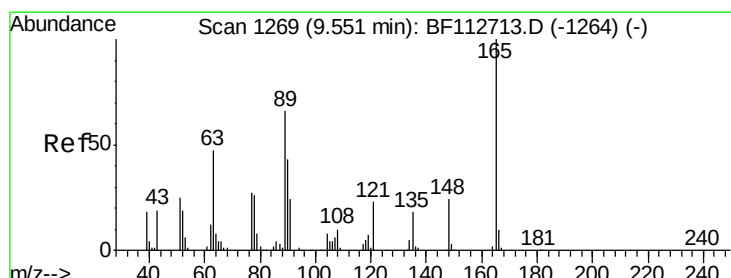
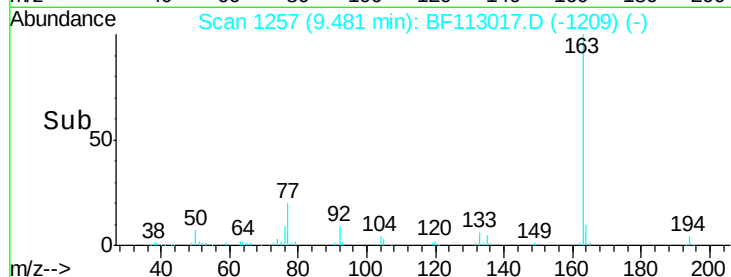
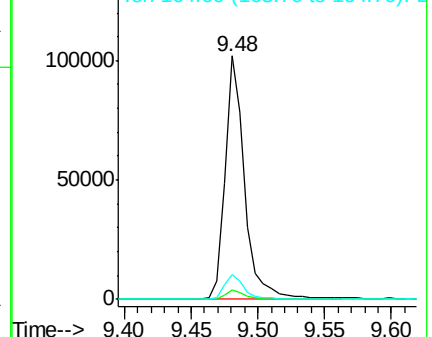
164 10.3 8.4 12.6



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: 8.150 ng

RT: 9.76 min Scan# 1305

Delta R.T. 0.21 min

Lab File: BF113017.D

Acq: 12 Mar 2019 21:58

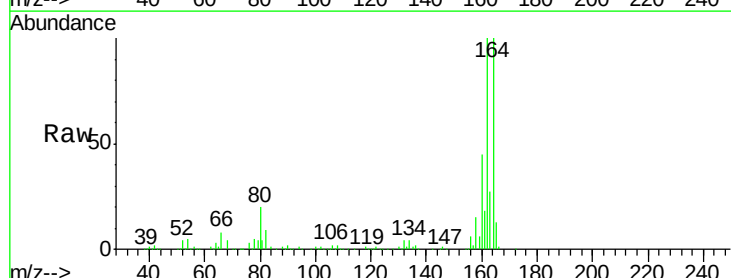
Tgt Ion:165 Resp: 37930

Ion Ratio Lower Upper

165 100

63 1.1 54.1 81.1#

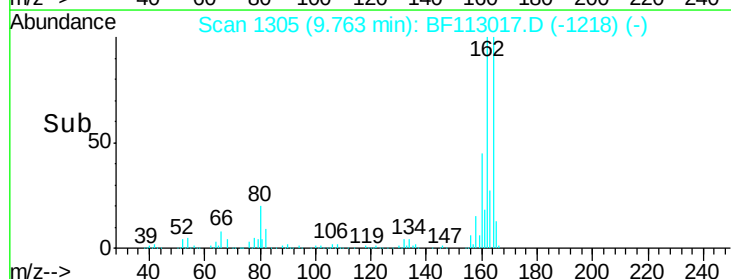
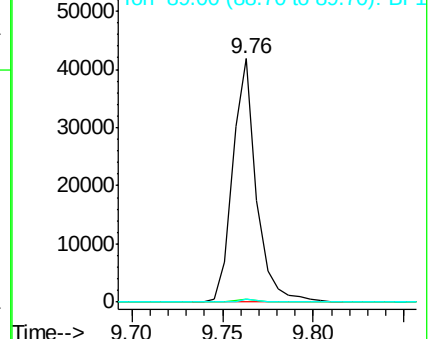
89 1.5 52.8 79.2#

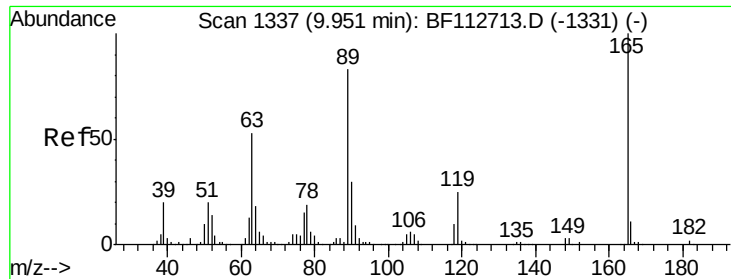


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF1

Ion 89.00 (88.70 to 89.70): BF1

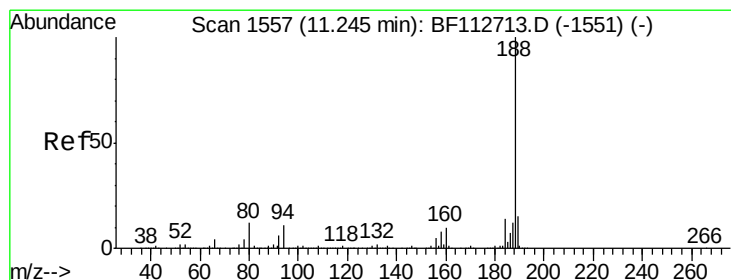
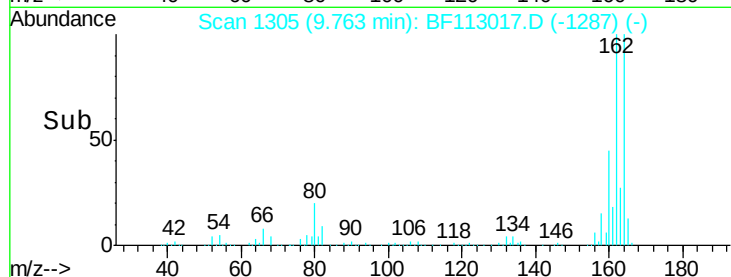
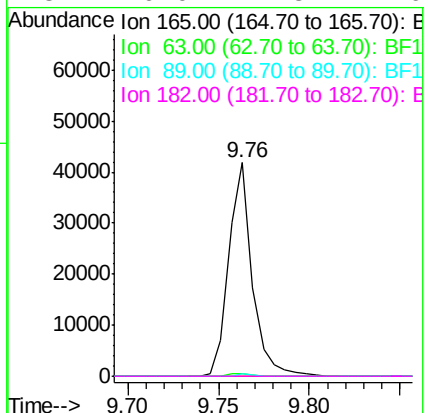
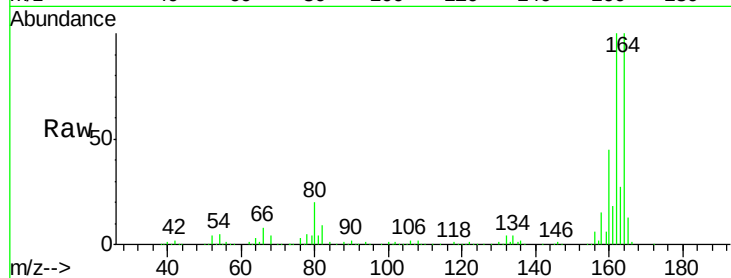




#57
 2,4-Dinitrotoluene
 Concen: 6.557 ng
 RT: 9.76 min Scan# 1305
 Delta R.T. -0.19 min
 Lab File: BF113017.D
 Acq: 12 Mar 2019 21:58

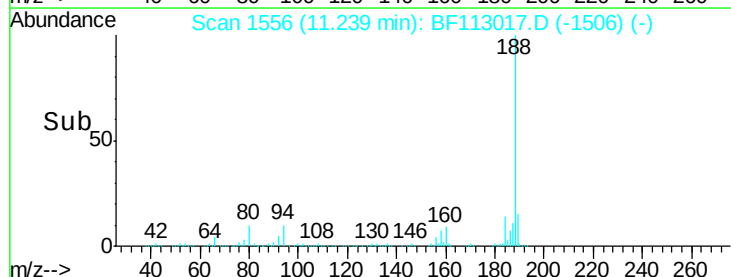
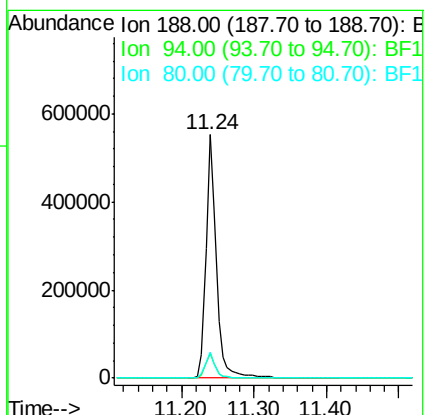
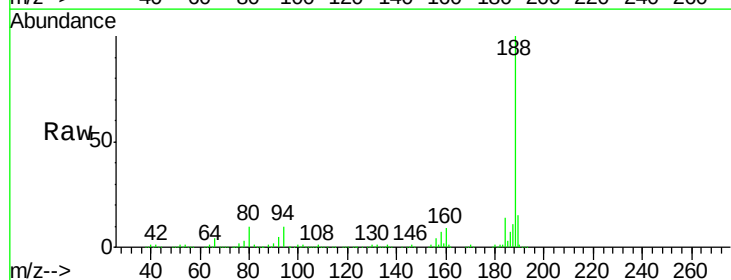
Instrument :
 BNA_F
 ClientSampleId :
 SUP-7B-C-3-031119

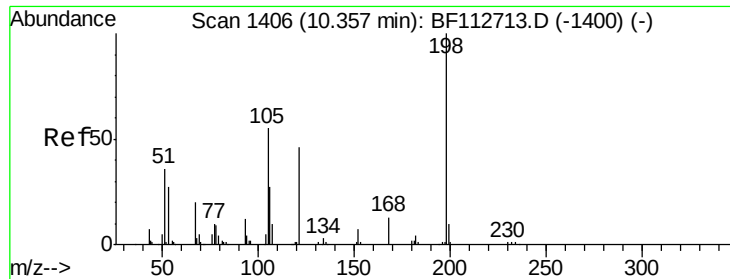
Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.1	42.2	63.2#
89	1.5	66.2	99.4#
182	0.0	1.8	2.6#



#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.24 min Scan# 1556
 Delta R.T. -0.01 min
 Lab File: BF113017.D
 Acq: 12 Mar 2019 21:58

Tgt Ion	Ratio	Lower	Upper
188	100		
94	10.1	9.0	13.4
80	10.5	9.2	13.8

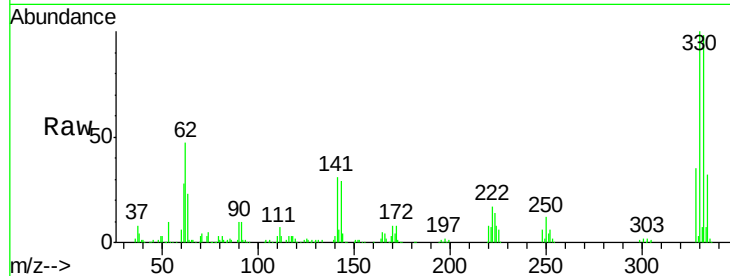




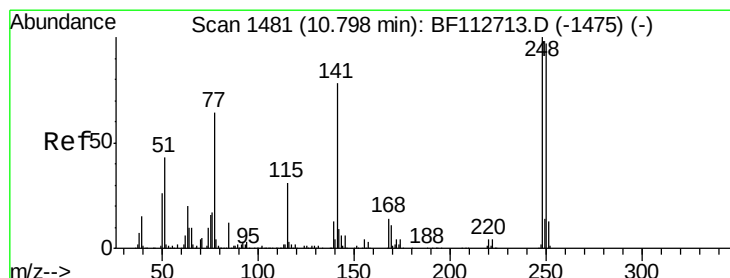
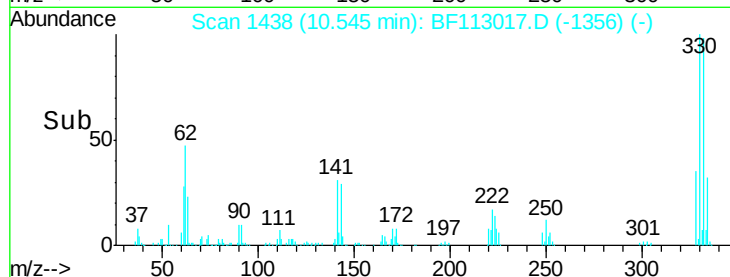
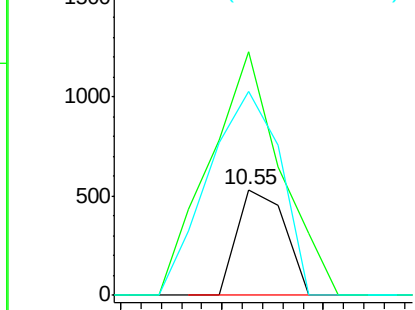
#65
 4,6-Dinitro-2-methylphenol
 Concen: 4.751 ng
 RT: 10.55 min Scan# 1438
 Delta R.T. 0.18 min
 Lab File: BF113017.D
 Acq: 12 Mar 2019 21:58

Instrument :
 BNA_F
 ClientSampleId :
 SUP-7B-C-3-031119

Tgt Ion:198 Resp: 348
 Ion Ratio Lower Upper
 198 100
 51 230.6 43.8 83.8#
 105 193.6 36.5 76.5#

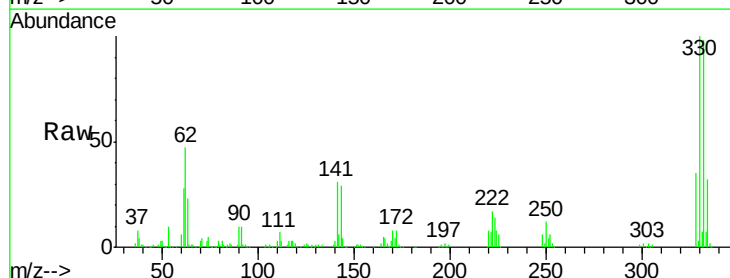


Abundance Ion 198.00 (197.70 to 198.70): E
 Ion 51.00 (50.70 to 51.70): BF1
 Ion 105.00 (104.70 to 105.70): E

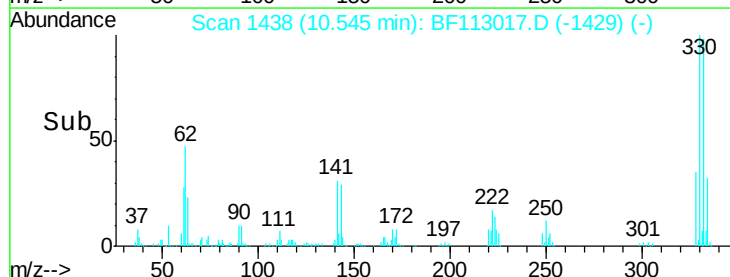
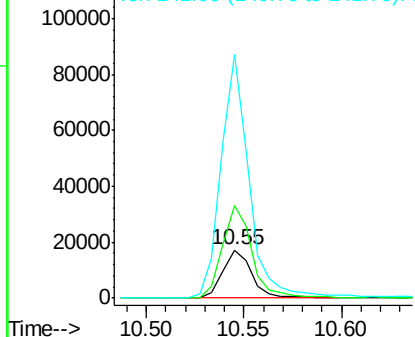


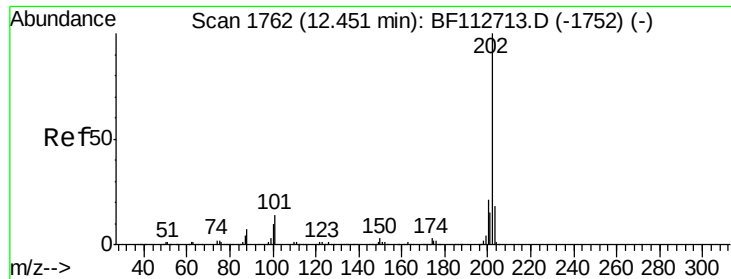
#67
 4-Bromophenyl-phenylether
 Concen: 3.062 ng
 RT: 10.55 min Scan# 1438
 Delta R.T. -0.25 min
 Lab File: BF113017.D
 Acq: 12 Mar 2019 21:58

Tgt Ion:248 Resp: 17880
 Ion Ratio Lower Upper
 248 100
 250 193.2 77.5 116.3#
 141 506.7 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





#75

Fluoranthene

Concen: 4.310 ng

RT: 12.45 min Scan# 1761

Delta R.T. -0.01 min

Lab File: BF113017.D

Acq: 12 Mar 2019 21:58

Instrument :

BNA_F

ClientSampleId :

SUP-7B-C-3-031119

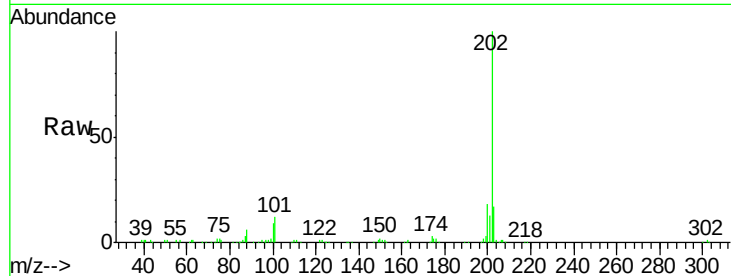
Tgt Ion:202 Resp: 127364

Ion Ratio Lower Upper

202 100

101 11.6 0.0 33.8

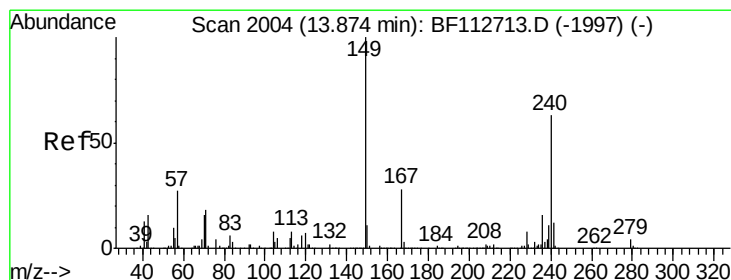
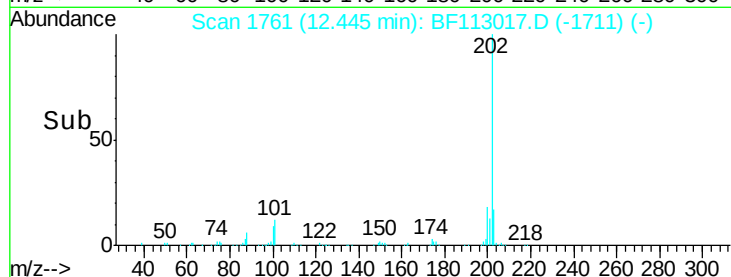
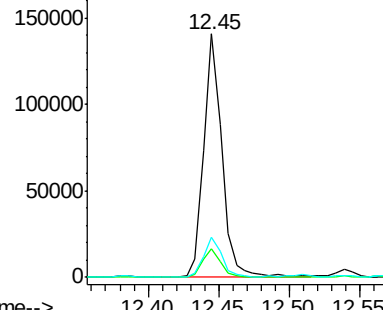
203 16.6 0.0 38.4



Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E



#76

Chrysene-d12

Concen: 20.000 ng

RT: 13.86 min Scan# 2002

Delta R.T. -0.01 min

Lab File: BF113017.D

Acq: 12 Mar 2019 21:58

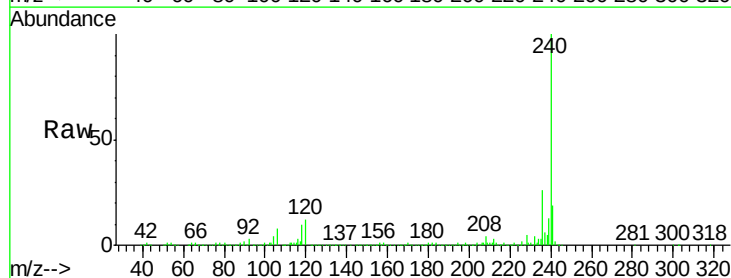
Tgt Ion:240 Resp: 484794

Ion Ratio Lower Upper

240 100

120 12.3 8.9 13.3

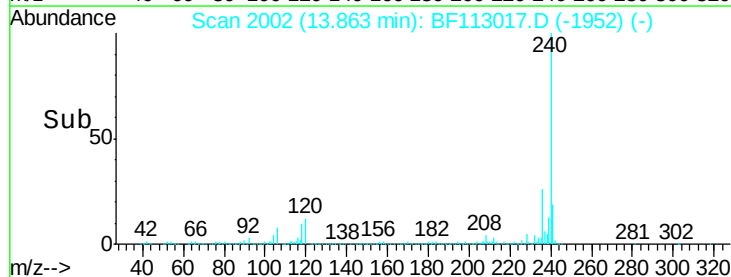
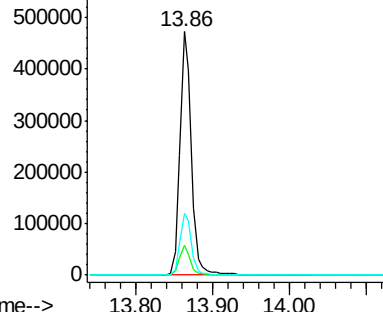
236 25.6 20.7 31.1

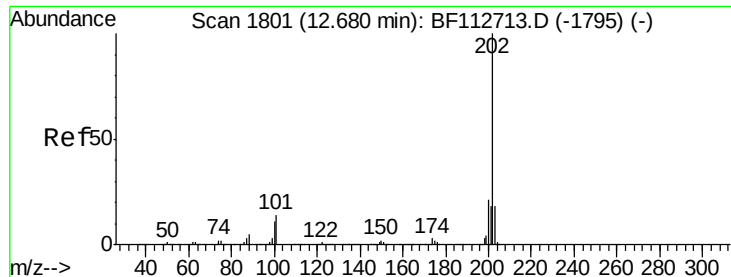


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#78

Pyrene

Concen: 2.883 ng

RT: 12.67 min Scan# 1800

Delta R.T. -0.00 min

Lab File: BF113017.D

Acq: 12 Mar 2019 21:58

Instrument :

BNA_F

ClientSampleId :

SUP-7B-C-3-031119

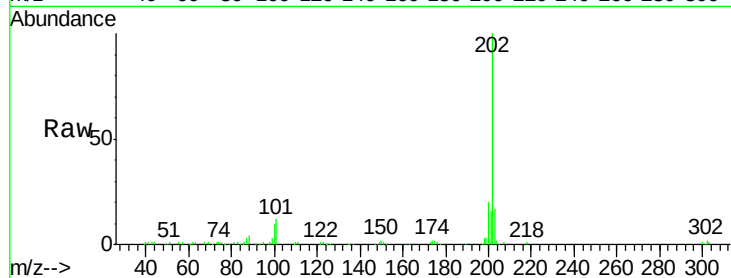
Tgt Ion:202 Resp: 117835

Ion Ratio Lower Upper

202 100

200 19.7 17.0 25.4

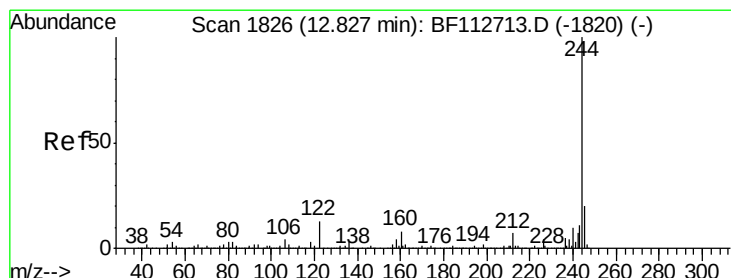
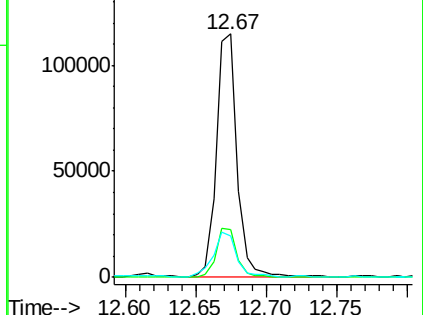
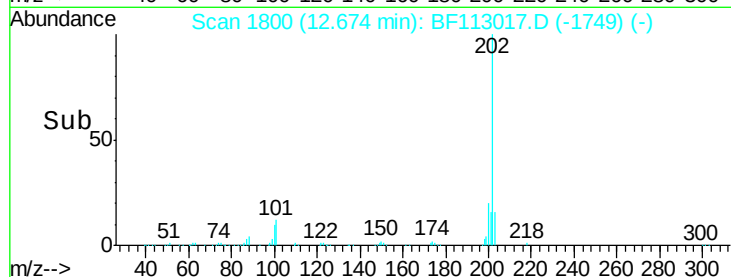
203 16.7 14.4 21.6



Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E



#79

Terphenyl-d14

Concen: 41.082 ng

RT: 12.82 min Scan# 1825

Delta R.T. -0.00 min

Lab File: BF113017.D

Acq: 12 Mar 2019 21:58

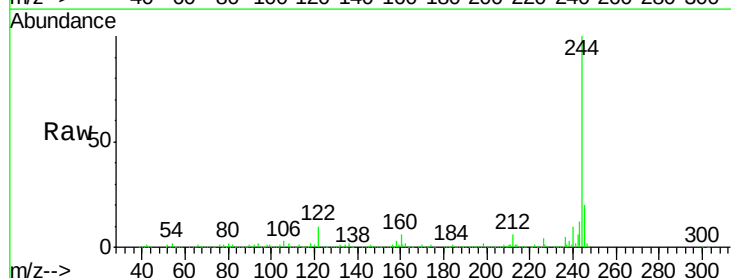
Tgt Ion:244 Resp: 1027418

Ion Ratio Lower Upper

244 100

212 6.3 5.6 8.4

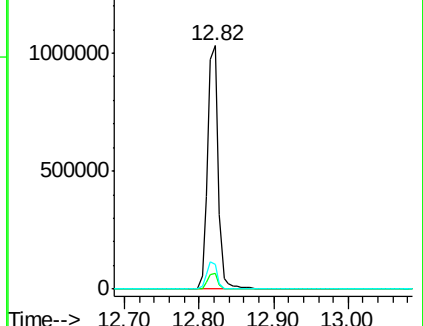
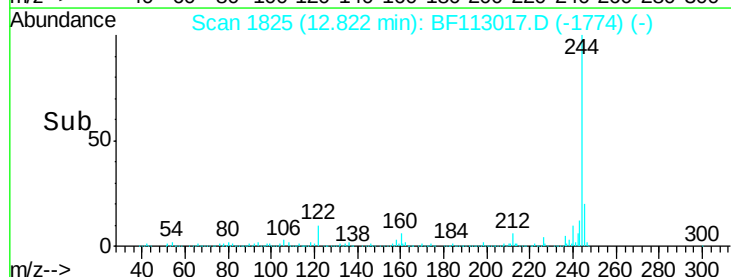
122 10.2 10.5 15.7#

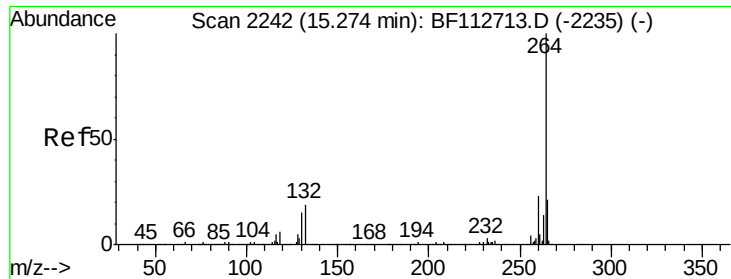


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

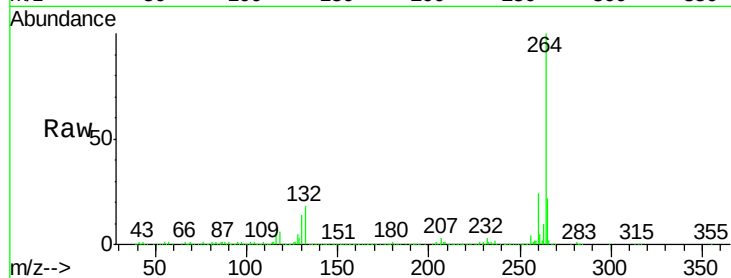




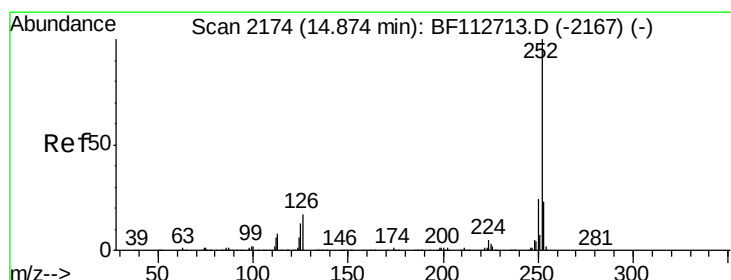
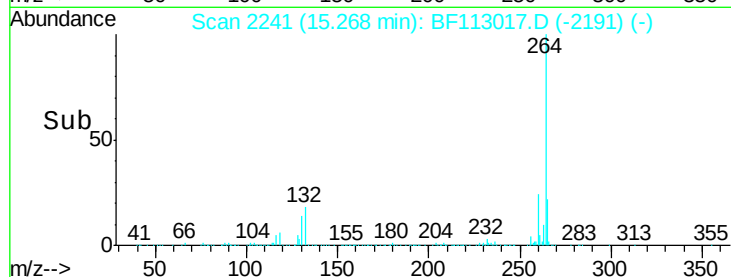
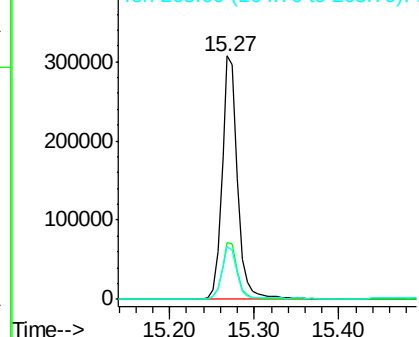
#87
Perylene-d12
Concen: 20.000 ng
RT: 15.27 min Scan# 2241
Delta R.T. -0.01 min
Lab File: BF113017.D
Acq: 12 Mar 2019 21:58

Instrument :
BNA_F
ClientSampleId :
SUP-7B-C-3-031119

Tgt Ion:264 Resp: 399852
Ion Ratio Lower Upper
264 100
260 23.5 18.7 28.1
265 21.8 17.2 25.8

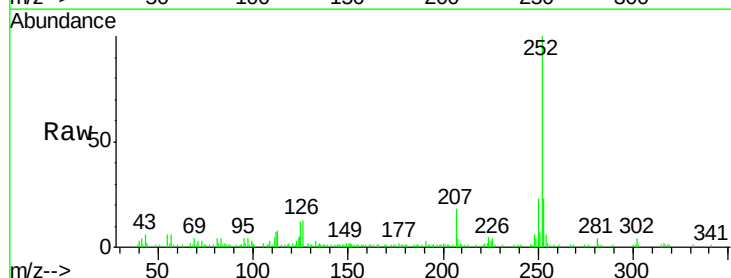


Abundance Ion 264.00 (263.70 to 264.70): E
Ion 260.00 (259.70 to 260.70): E
Ion 265.00 (264.70 to 265.70): E

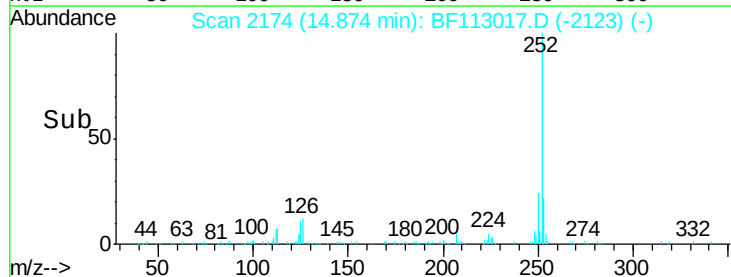
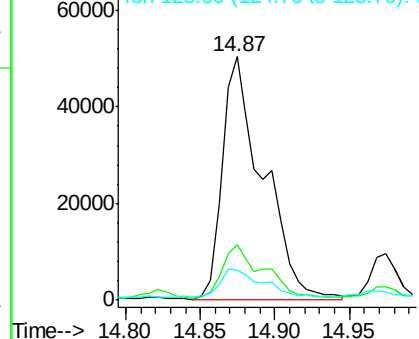


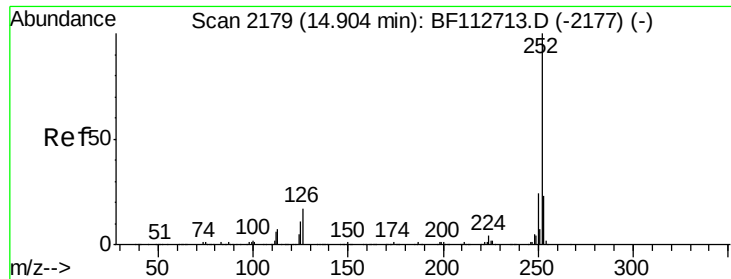
#88
Benzo(b)fluoranthene
Concen: 3.720 ng
RT: 14.87 min Scan# 2174
Delta R.T. 0.00 min
Lab File: BF113017.D
Acq: 12 Mar 2019 21:58

Tgt Ion:252 Resp: 96209
Ion Ratio Lower Upper
252 100
253 22.8 18.0 27.0
125 12.4 10.2 15.2



Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E

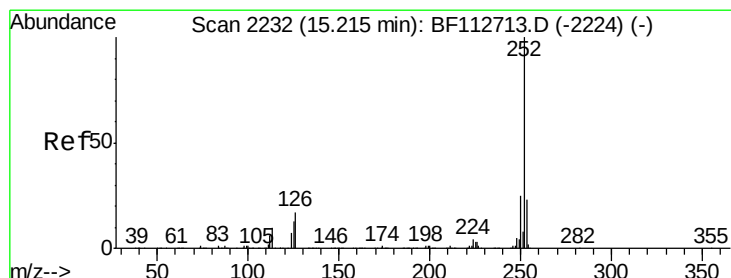
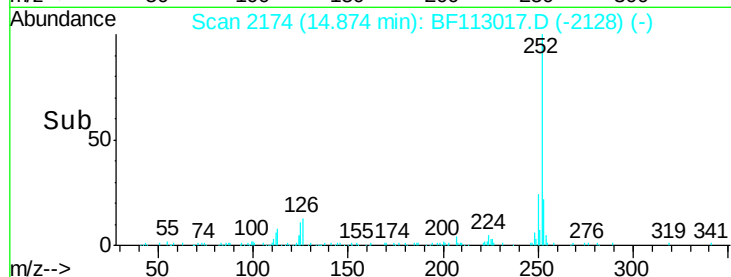
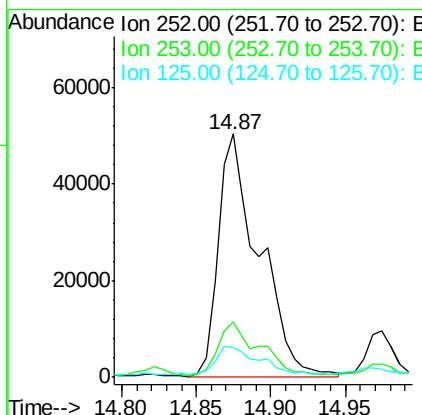
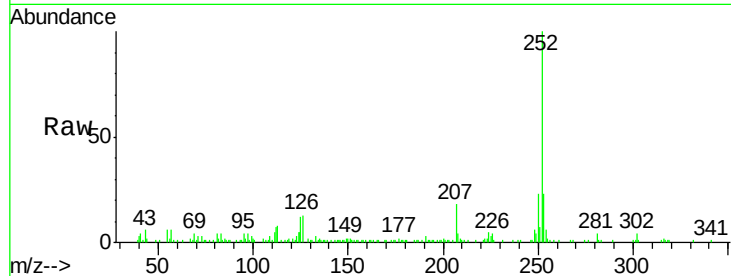




#89
Benzo(k)fluoranthene
Concen: 4.107 ng
RT: 14.87 min Scan# 2174
Delta R.T. -0.03 min
Lab File: BF113017.D
Acq: 12 Mar 2019 21:58

Instrument :
BNA_F
ClientSampleId :
SUP-7B-C-3-031119

Tgt Ion:252 Resp: 96209
Ion Ratio Lower Upper
252 100
253 22.8 18.2 27.2
125 12.4 9.8 14.6



#90
Benzo(a)pyrene
Concen: 2.019 ng
RT: 15.21 min Scan# 2231
Delta R.T. -0.01 min
Lab File: BF113017.D
Acq: 12 Mar 2019 21:58

Tgt Ion:252 Resp: 46178
Ion Ratio Lower Upper
252 100
253 23.3 18.0 27.0
125 13.6 10.7 16.1

