

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF010819\
 Data File : BF111919.D
 Acq On : 8 Jan 2019 20:44
 Operator : JU/SJ
 Sample : K1044-02
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Jan 09 00:59:18 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF010719.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Jan 07 14:33:51 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.89	152	131449	20.00	ng	0.00
21) Naphthalene-d8	8.17	136	392724	20.00	ng	0.00
39) Acenaphthene-d10	9.92	164	172961	20.00	ng	-0.01
64) Phenanthrene-d10	11.41	188	269844	20.00	ng	0.00
76) Chrysene-d12	14.05	240	300241	20.00	ng	0.00
87) Perylene-d12	15.53	264	188584	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.52	112	670290	87.24	ng	0.00
7) Phenol-d6	6.53	99	860203	86.86	ng	0.00
23) Nitrobenzene-d5	7.44	82	515501	70.15	ng	-0.02
42) 2,4,6-Tribromophenol	10.71	330	182312	81.04	ng	-0.01
45) 2-Fluorobiphenyl	9.24	172	912720	76.95	ng	-0.01
79) Terphenyl-d14	12.99	244	809776	51.20	ng	0.00

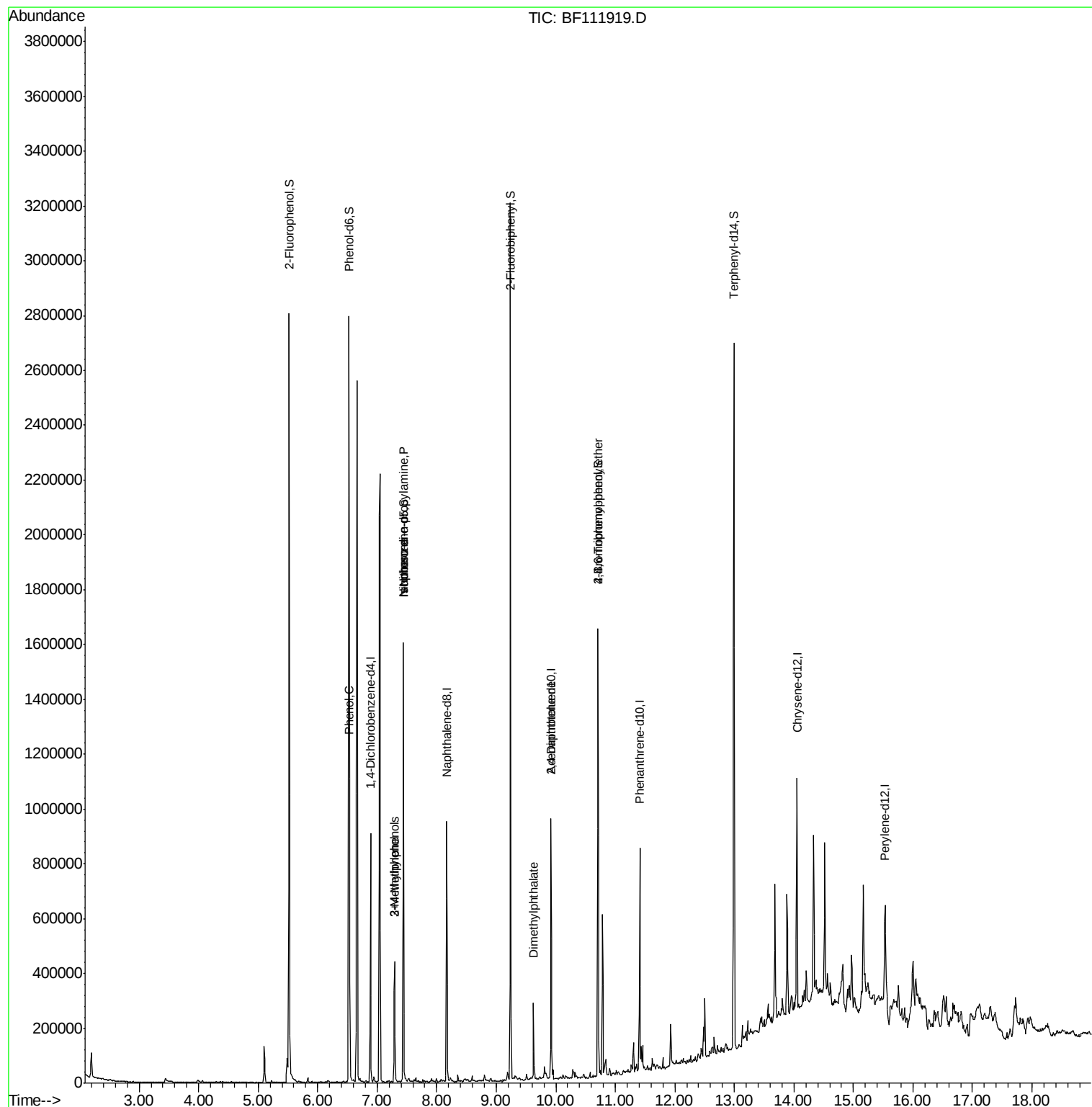
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Benzaldehyde	6.43	77	854	Below Cal		# 84
10) Phenol	6.54	94	71143	6.610	ng	# 73
17) 2-Methylphenol	7.29	107	102980	15.018	ng	# 68
19) n-Nitroso-di-n-propylamine	7.44	70	70219	10.913	ng	# 79
20) 3+4-Methylphenols	7.29	107	102980	12.067	ng	# 60
25) Isophorone	7.44	82	512459	43.067	ng	# 65
50) Dimethylphthalate	9.63	163	102248	7.870	ng	# 99
57) 2,4-Dinitrotoluene	9.92	165	21669	5.772	ng	# 27
67) 4-Bromophenyl-phenylether	10.71	248	10527	3.012	ng	# 1

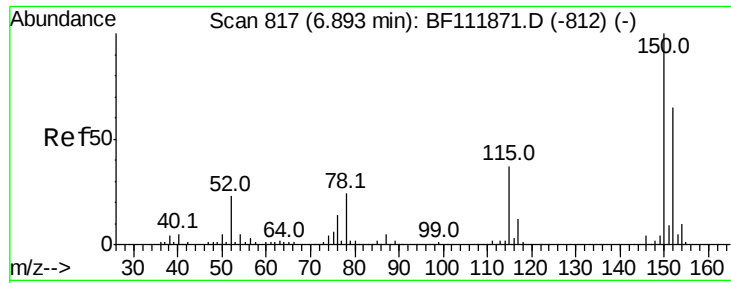
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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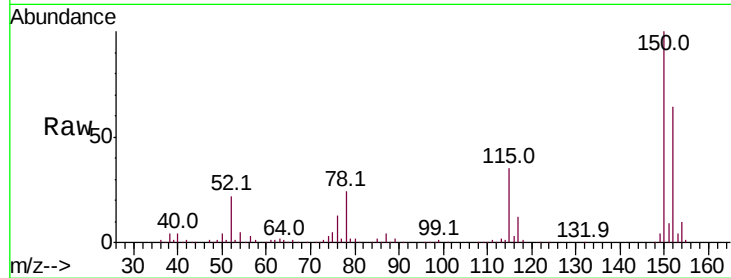


#1

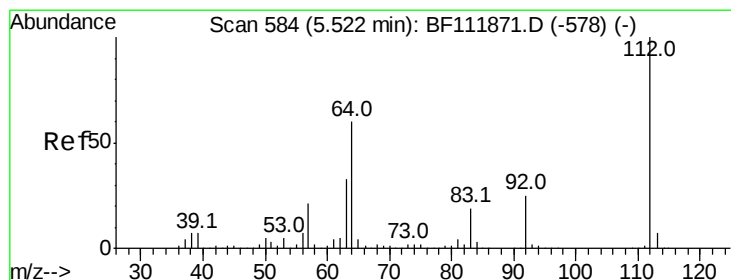
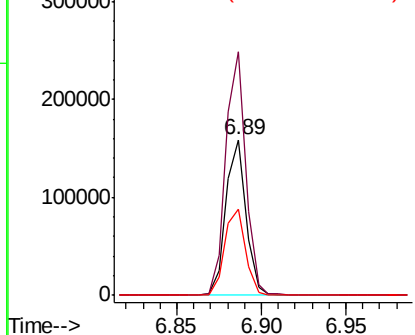
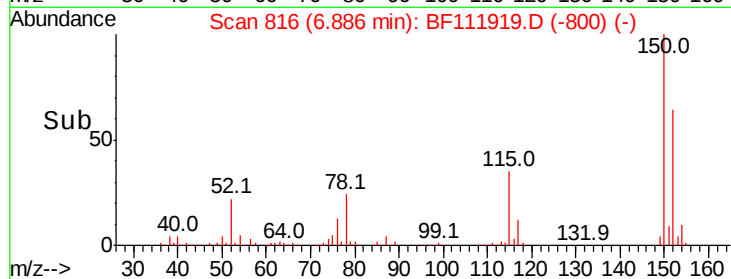
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.89 min Scan# 816
Delta R.T. -0.01 min
Lab File: BF111919.D
Acq: 8 Jan 2019 20:44

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 131449
Ion Ratio Lower Upper
152 100
150 156.5 122.7 184.1
115 55.2 45.2 67.8



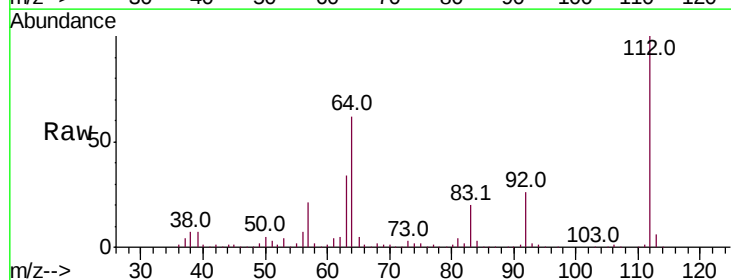
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



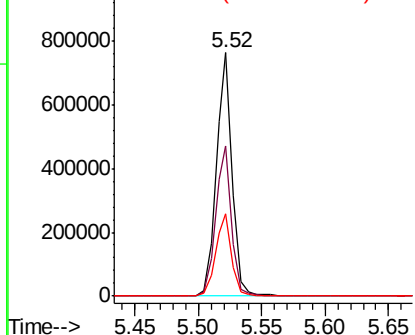
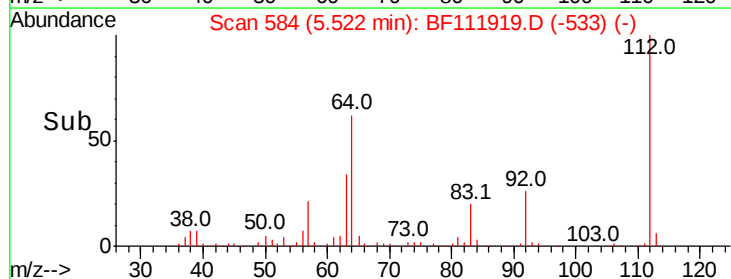
#5

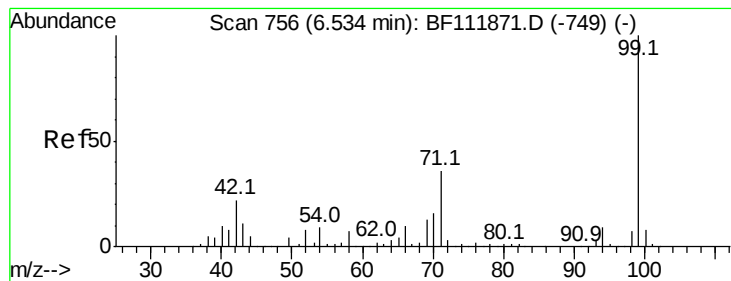
2-Fluorophenol
Concen: 87.239 ng
RT: 5.52 min Scan# 584
Delta R.T. -0.00 min
Lab File: BF111919.D
Acq: 8 Jan 2019 20:44

Tgt Ion:112 Resp: 670290
Ion Ratio Lower Upper
112 100
64 61.9 48.3 72.5
63 33.7 26.1 39.1



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: 86.863 ng

RT: 6.53 min Scan# 755

Delta R.T. -0.01 min

Lab File: BF111919.D

Acq: 8 Jan 2019 20:44

Instrument :

BNA_F

ClientSampleId :

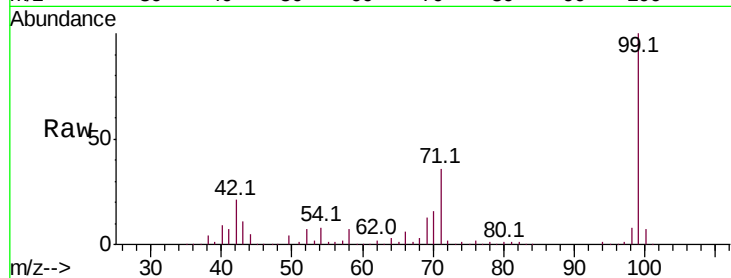
Tot Ion: 99 Resp: 860203

Ion Ratio Lower Upper

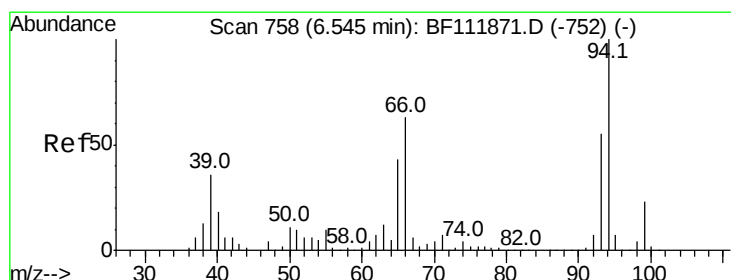
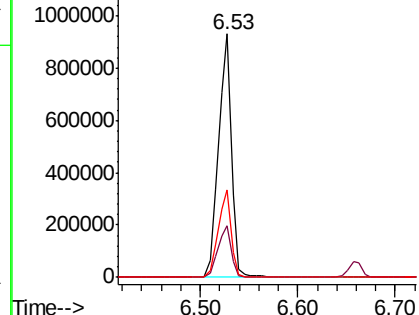
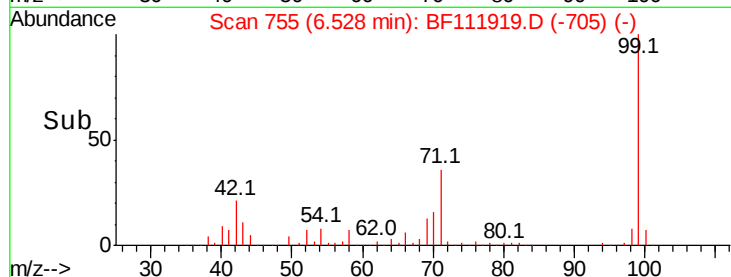
99 100

42 21.2 17.9 26.9

71 36.1 28.7 43.1



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: 6.610 ng

RT: 6.54 min Scan# 757

Delta R.T. -0.01 min

Lab File: BF111919.D

Acq: 8 Jan 2019 20:44

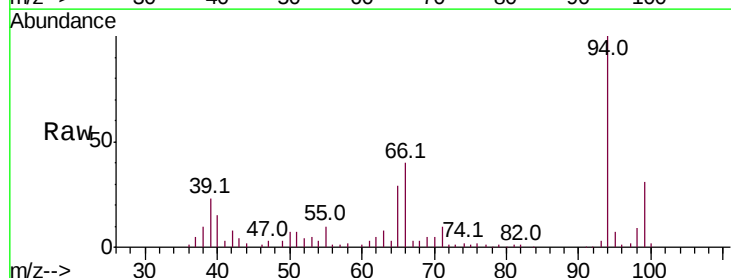
Tgt Ion: 94 Resp: 71143

Ion Ratio Lower Upper

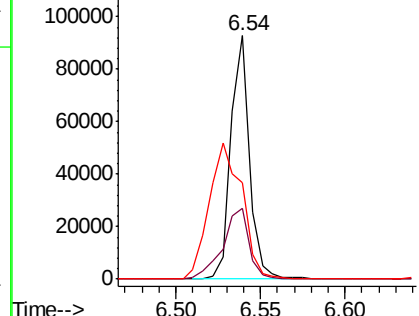
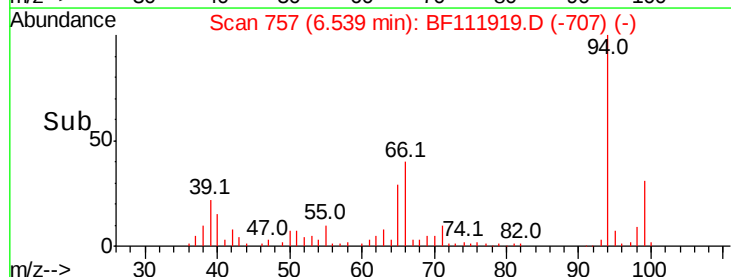
94 100

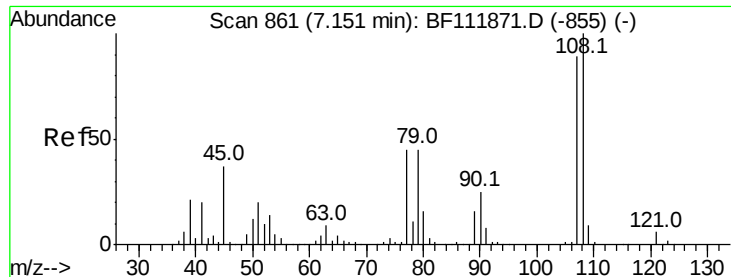
65 28.9 22.8 62.8

66 39.7 43.3 83.3#



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





#17

2-Methylphenol

Concen: 15.018 ng

RT: 7.29 min Scan# 885

Delta R.T. 0.14 min

Lab File: BF111919.D

Acq: 8 Jan 2019 20:44

Instrument :

BNA_F

ClientSampleId :

Tot Ion:107 Resp: 102980

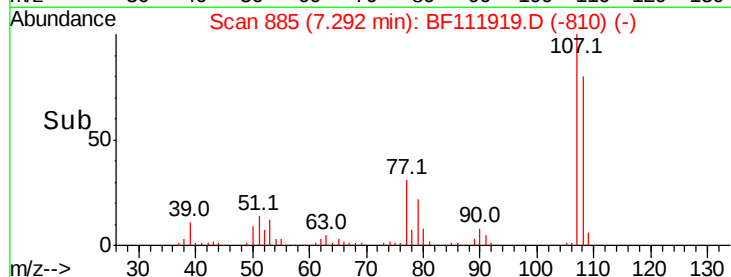
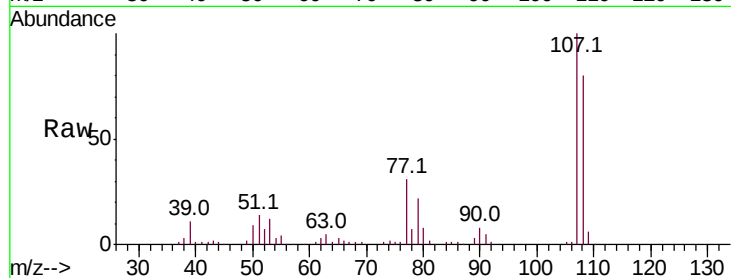
Ion Ratio Lower Upper

107 100

108 80.5 89.7 134.5#

77 30.7 40.6 60.8#

79 22.0 40.2 60.2#

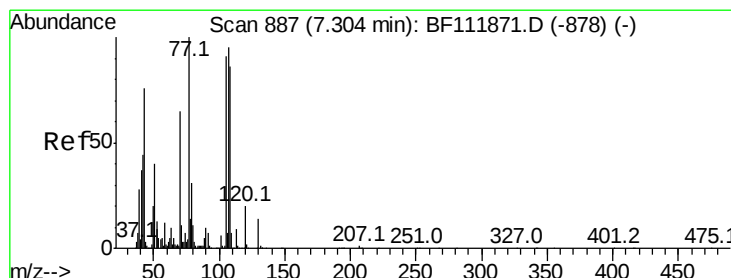
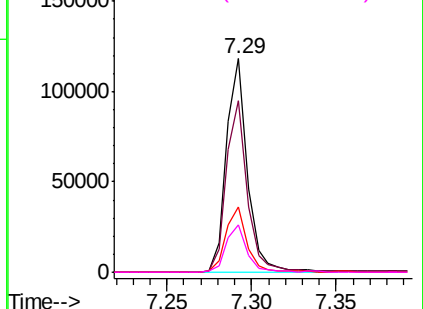


Abundance Ion 107.00 (106.70 to 107.70): E

Ion 108.00 (107.70 to 108.70): E

Ion 77.00 (76.70 to 77.70): BF1

Ion 79.00 (78.70 to 79.70): BF1



#19

n-Nitroso-di-n-propylamine

Concen: 10.913 ng

RT: 7.44 min Scan# 910

Delta R.T. 0.14 min

Lab File: BF111919.D

Acq: 8 Jan 2019 20:44

Tgt Ion: 70 Resp: 70219

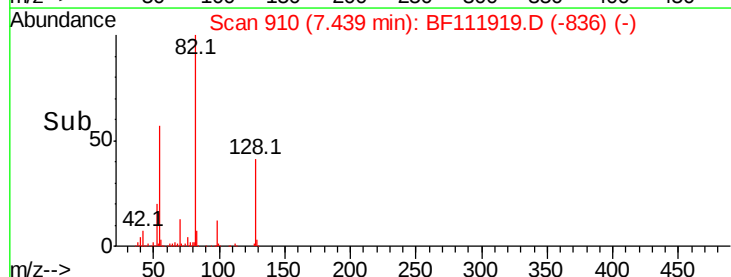
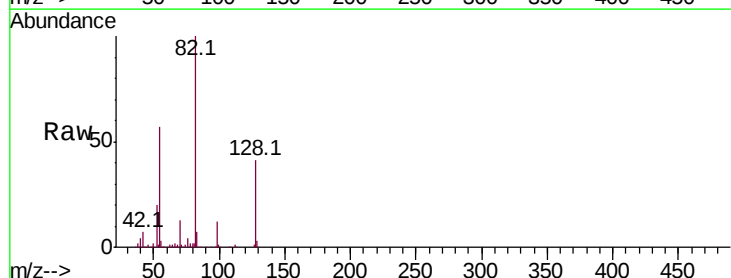
Ion Ratio Lower Upper

70 100

42 55.9 53.6 80.4

101 0.0 7.3 10.9#

130 1.9 16.8 25.2#

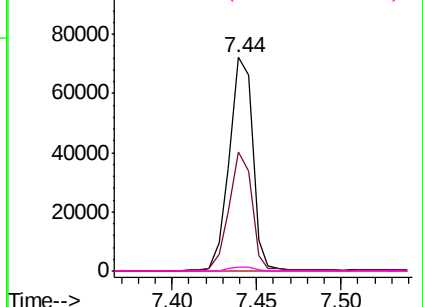


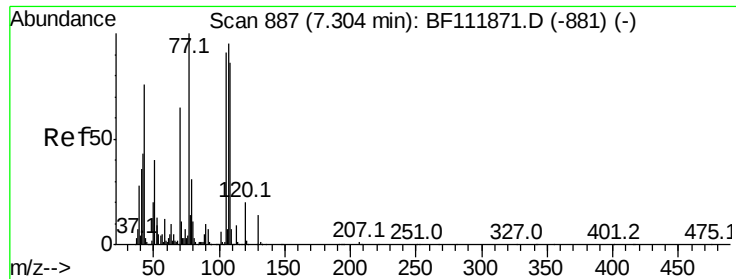
Abundance Ion 70.00 (69.70 to 70.70): BF1

Ion 42.00 (41.70 to 42.70): BF1

Ion 101.00 (100.70 to 101.70): E

Ion 130.00 (129.70 to 130.70): E

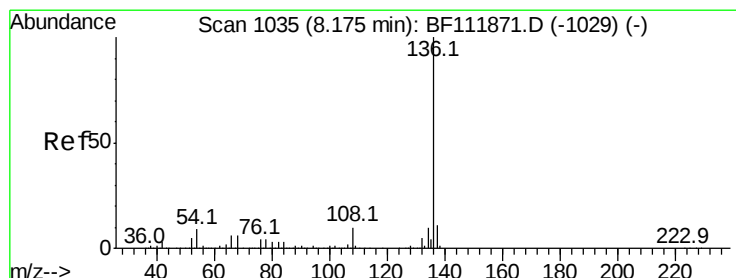
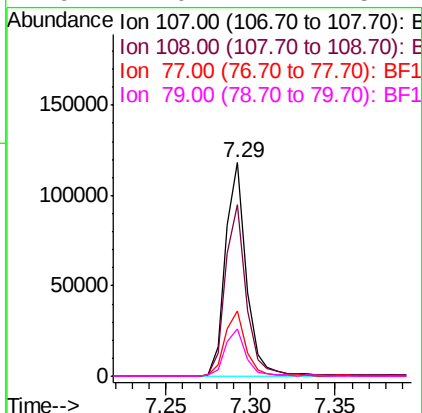
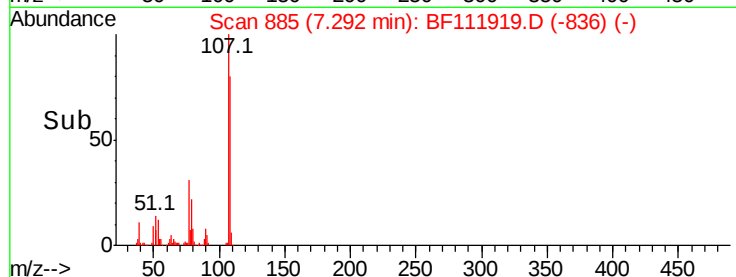
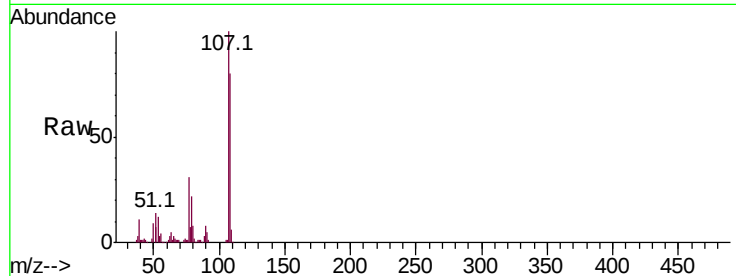




#20
3+4-Methylphenols
Concen: 12.067 ng
RT: 7.29 min Scan# 885
Delta R.T. -0.01 min
Lab File: BF111919.D
Acq: 8 Jan 2019 20:44

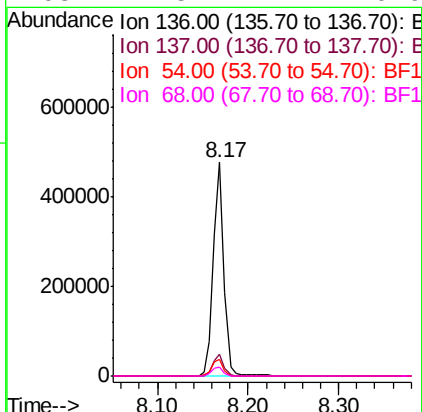
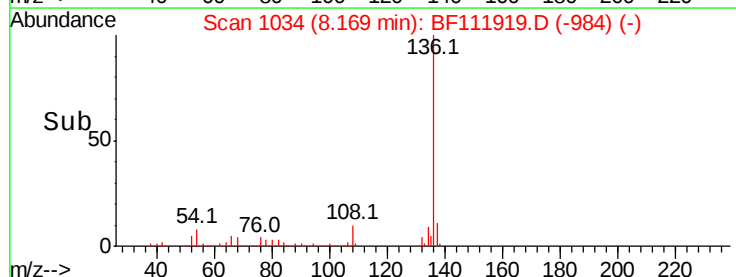
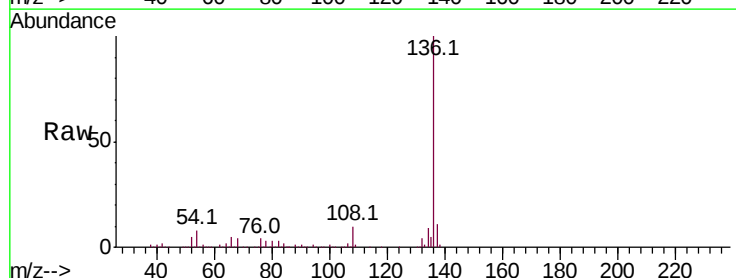
Instrument :
BNA_F
ClientSampleId :

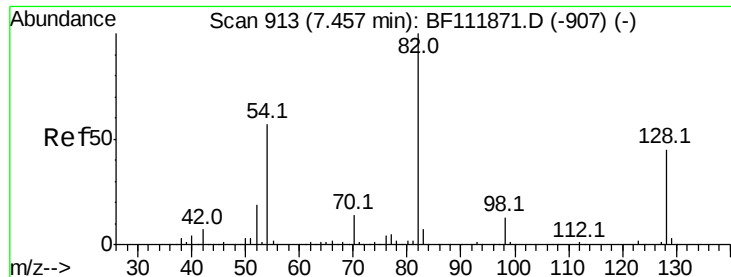
Tot Ion:	107	Resp:	102980
Ion	Ratio	Lower	Upper
107	100		
108	80.5	71.1	111.1
77	30.7	85.4	125.4#
79	22.0	12.4	52.4



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.17 min Scan# 1034
Delta R.T. -0.01 min
Lab File: BF111919.D
Acq: 8 Jan 2019 20:44

Tgt Ion:	136	Resp:	392724
Ion	Ratio	Lower	Upper
136	100		
137	10.5	9.1	13.7
54	8.0	7.2	10.8
68	4.5	4.4	6.6

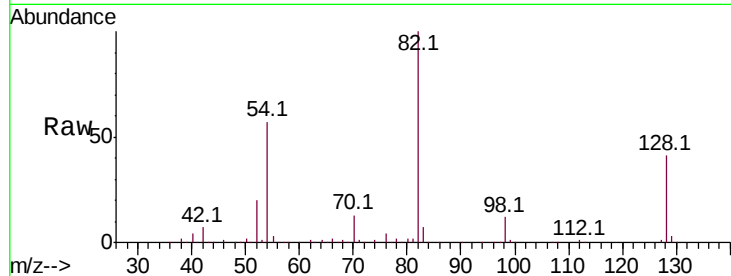




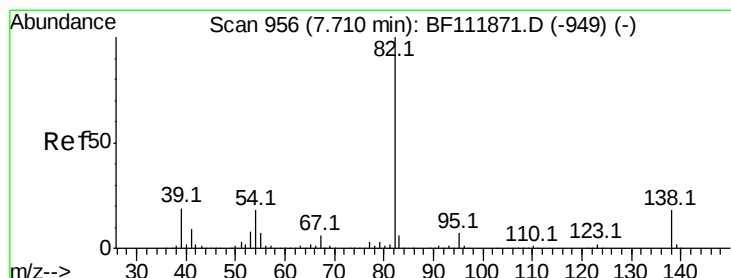
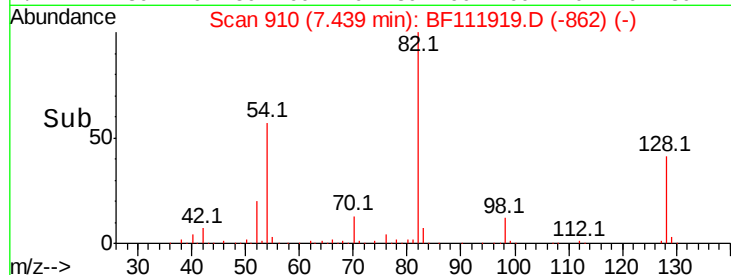
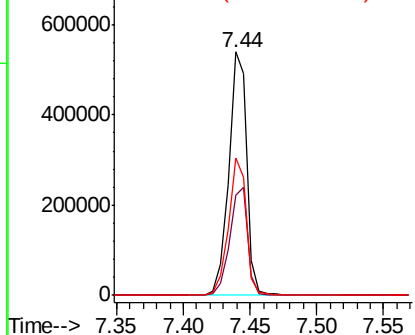
#23
 Nitrobenzene-d5
 Concen: 70.154 ng
 RT: 7.44 min Scan# 910
 Delta R.T. -0.02 min
 Lab File: BF111919.D
 Acq: 8 Jan 2019 20:44

Instrument :
 BNA_F
 ClientSampled :

Tot Ion: 82 Resp: 515501
 Ion Ratio Lower Upper
 82 100
 128 41.3 35.7 53.5
 54 56.6 45.8 68.8

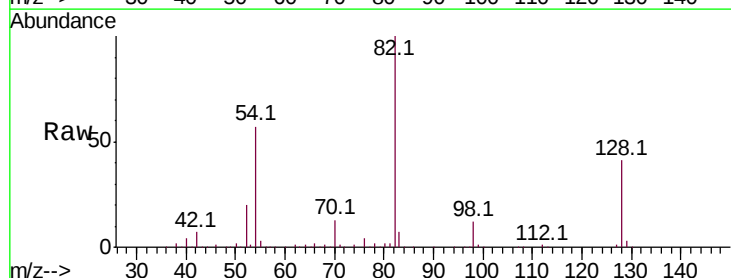


Abundance Ion 82.00 (81.70 to 82.70): BF1
 Ion 128.00 (127.70 to 128.70): BF1
 Ion 54.00 (53.70 to 54.70): BF1

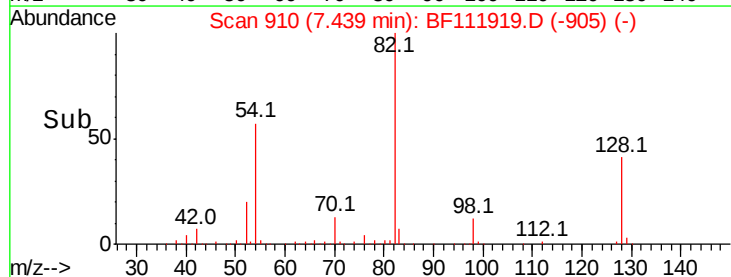
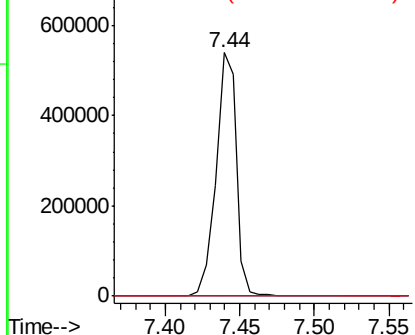


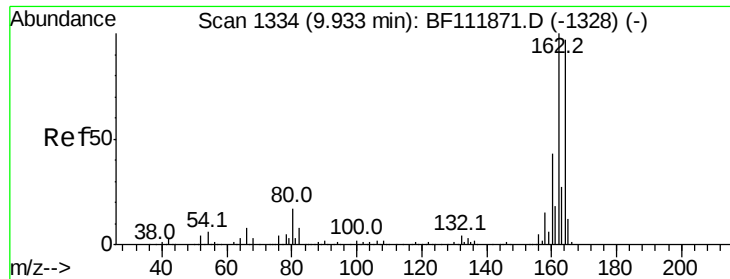
#25
 Isophorone
 Concen: 43.067 ng
 RT: 7.44 min Scan# 910
 Delta R.T. -0.27 min
 Lab File: BF111919.D
 Acq: 8 Jan 2019 20:44

Tgt Ion: 82 Resp: 512459
 Ion Ratio Lower Upper
 82 100
 95 0.0 5.8 8.6#
 138 0.0 14.4 21.6#



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

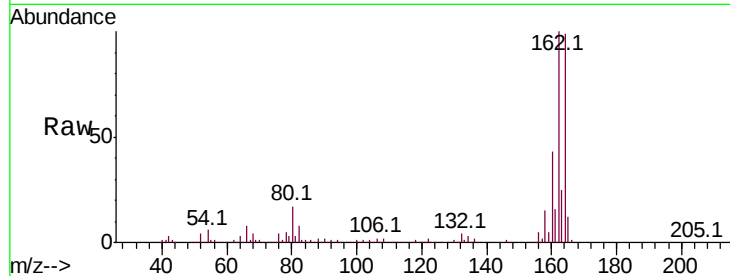




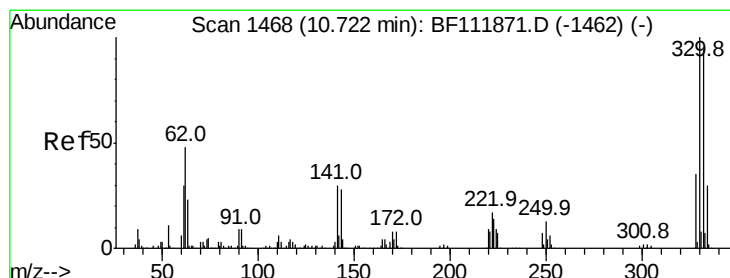
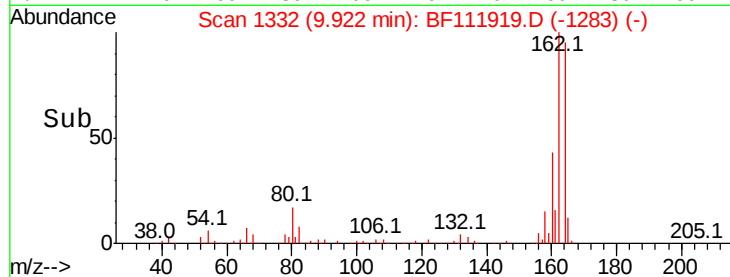
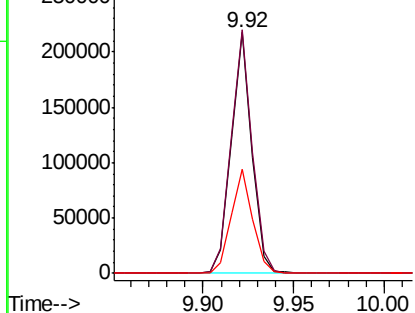
#39
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.92 min Scan# 1332
 Delta R.T. -0.01 min
 Lab File: BF111919.D
 Acq: 8 Jan 2019 20:44

Instrument :
 BNA_F
 ClientSampled :

Tot Ion:164 Resp: 172961
 Ion Ratio Lower Upper
 164 100
 162 101.1 82.2 123.2
 160 43.1 35.5 53.3

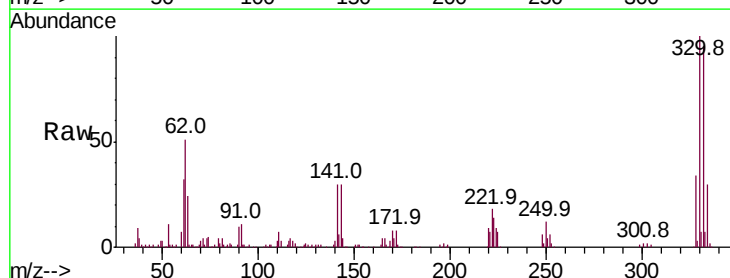


Abundance Ion 164.00 (163.70 to 164.70): E
 Ion 162.00 (161.70 to 162.70): E
 Ion 160.00 (159.70 to 160.70): E

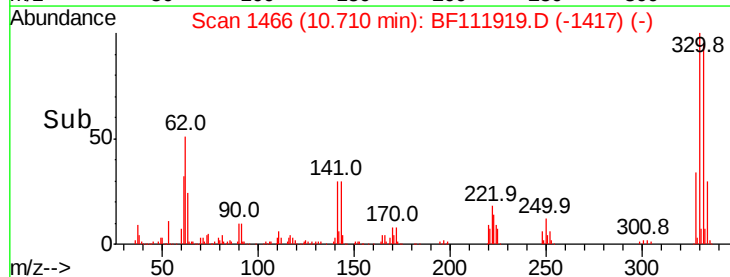
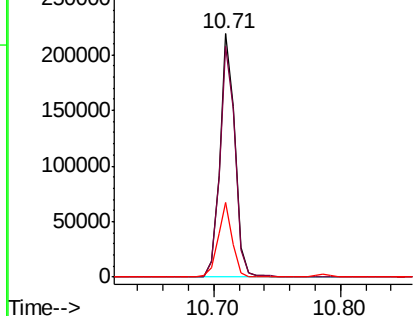


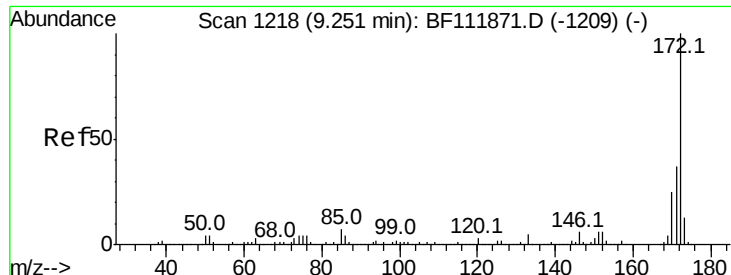
#42
 2,4,6-Tribromophenol
 Concen: 81.038 ng
 RT: 10.71 min Scan# 1466
 Delta R.T. -0.01 min
 Lab File: BF111919.D
 Acq: 8 Jan 2019 20:44

Tgt Ion:330 Resp: 182312
 Ion Ratio Lower Upper
 330 100
 332 96.9 76.9 115.3
 141 29.6 23.7 35.5



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

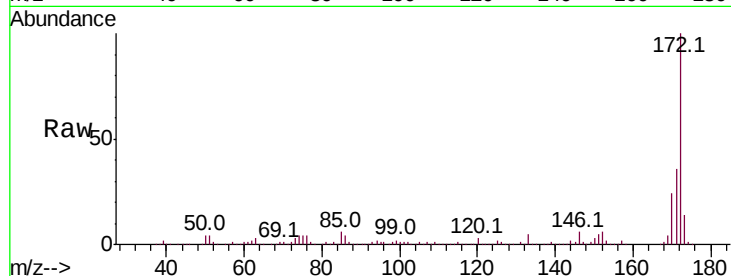




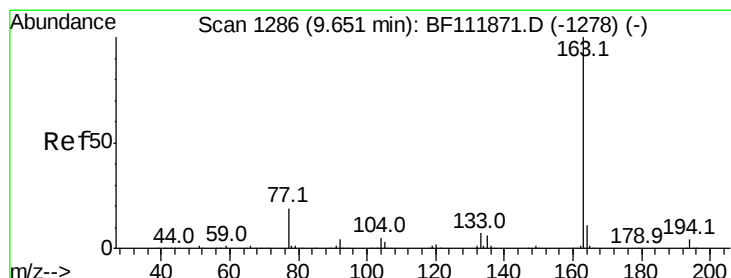
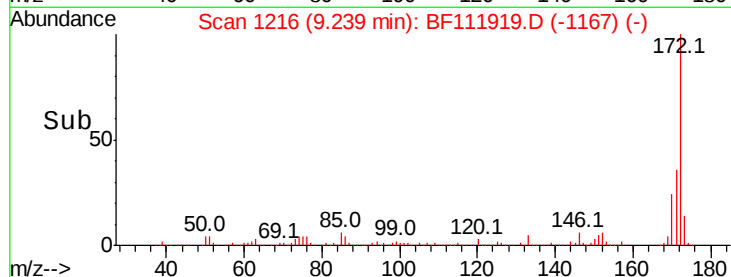
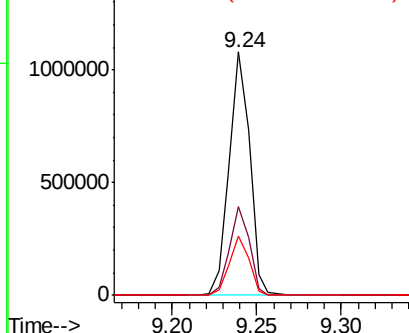
#45
2-Fluorobiphenyl
Concen: 76.950 ng
RT: 9.24 min Scan# 1216
Delta R.T. -0.01 min
Lab File: BF111919.D
Acq: 8 Jan 2019 20:44

Instrument :
BNA_F
ClientSampled :

Tot Ion:172 Resp: 912720
Ion Ratio Lower Upper
172 100
171 36.2 29.6 44.4
170 24.2 19.8 29.8

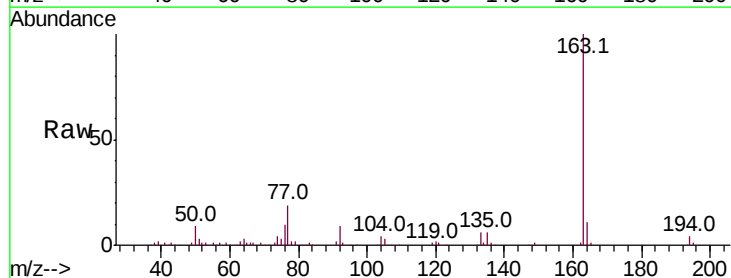


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

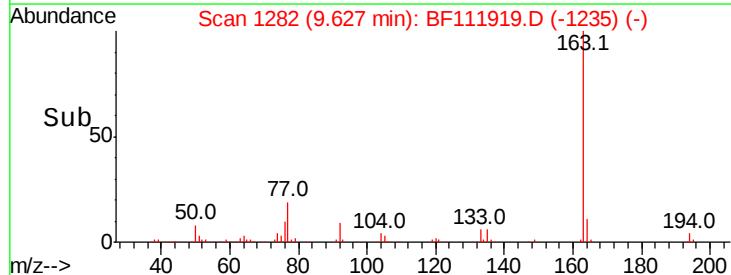
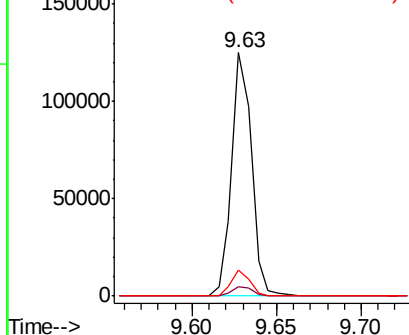


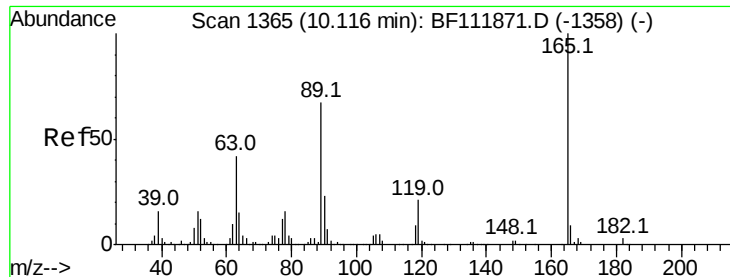
#50
Dimethylphthalate
Concen: 7.870 ng
RT: 9.63 min Scan# 1282
Delta R.T. -0.02 min
Lab File: BF111919.D
Acq: 8 Jan 2019 20:44

Tgt Ion:163 Resp: 102248
Ion Ratio Lower Upper
163 100
194 3.6 3.4 5.2
164 10.8 8.5 12.7



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

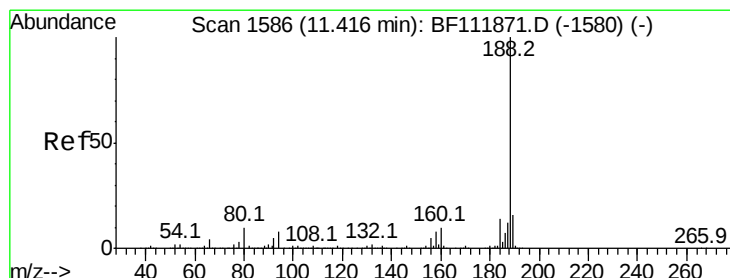
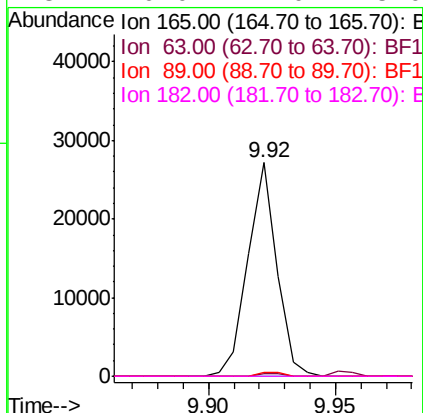
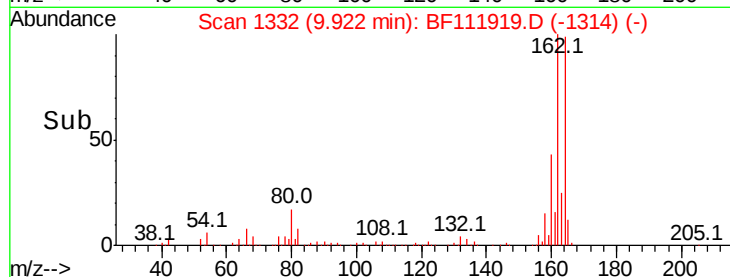
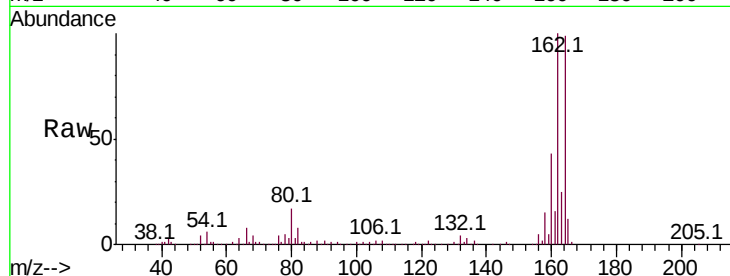




#57
 2,4-Dinitrotoluene
 Concen: 5.772 ng
 RT: 9.92 min Scan# 1332
 Delta R.T. -0.19 min
 Lab File: BF111919.D
 Acq: 8 Jan 2019 20:44

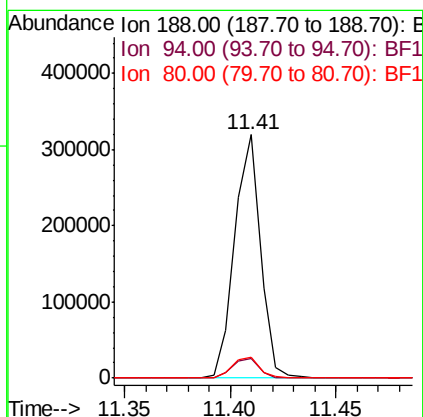
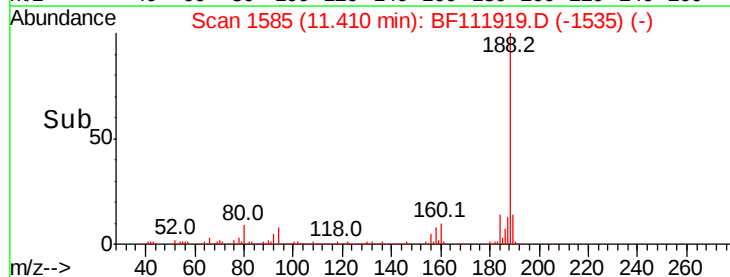
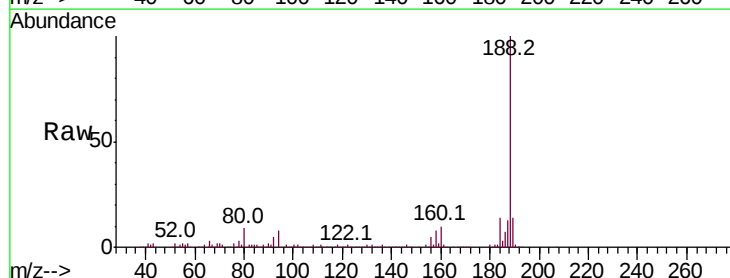
Instrument :
 BNA_F
 ClientSampleId :

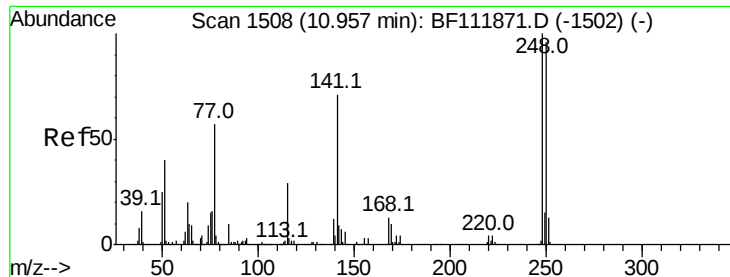
Tot Ion	Ratio	Lower	Upper
165	100		
63	1.4	34.1	51.1#
89	1.8	53.5	80.3#
182	0.0	2.0	3.0#



#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.41 min Scan# 1585
 Delta R.T. -0.01 min
 Lab File: BF111919.D
 Acq: 8 Jan 2019 20:44

Tgt Ion	Ratio	Lower	Upper
188	100		
94	8.1	6.6	10.0
80	8.6	7.7	11.5

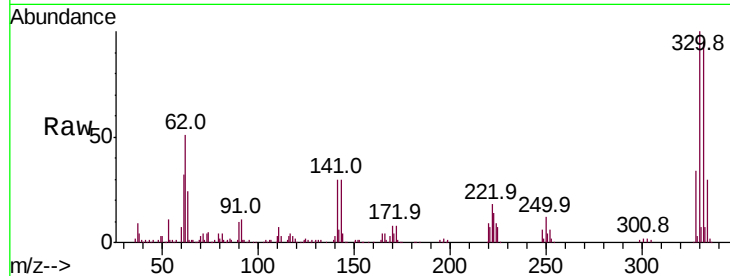




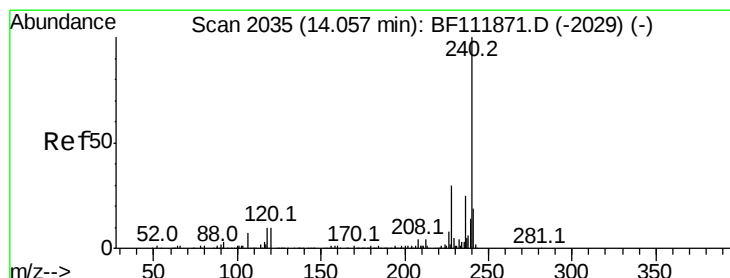
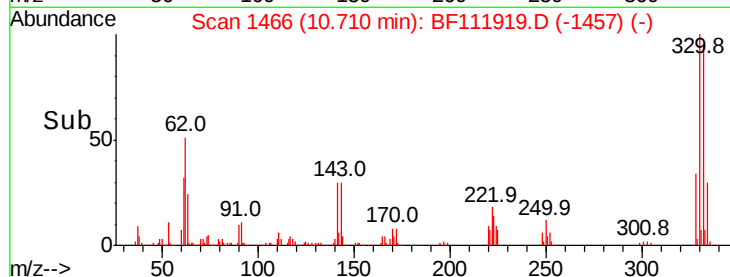
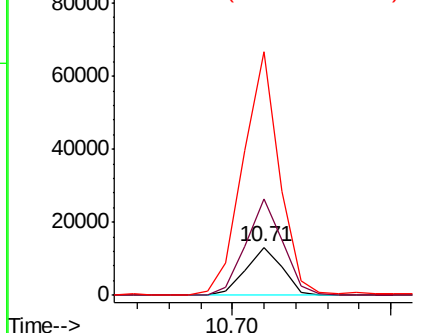
#67
 4-Bromophenyl-phenylether
 Concen: 3.012 ng
 RT: 10.71 min Scan# 1466
 Delta R.T. -0.25 min
 Lab File: BF111919.D
 Acq: 8 Jan 2019 20:44

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:248 Resp: 10527
 Ion Ratio Lower Upper
 248 100
 250 200.5 76.8 115.2#
 141 507.9 57.0 85.6#

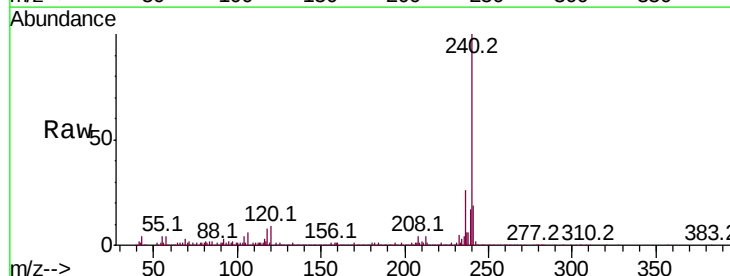


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

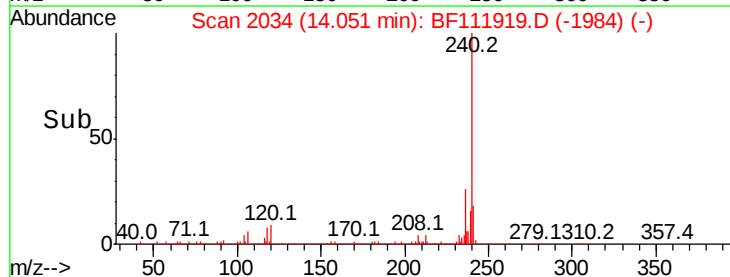
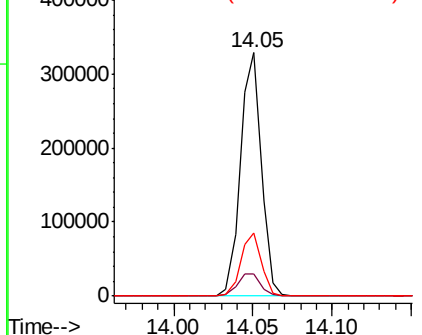


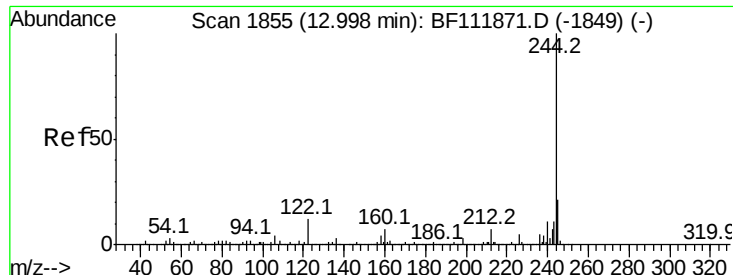
#76
 Chrysene-d12
 Concen: 20.000 ng
 RT: 14.05 min Scan# 2034
 Delta R.T. -0.01 min
 Lab File: BF111919.D
 Acq: 8 Jan 2019 20:44

Tgt Ion:240 Resp: 300241
 Ion Ratio Lower Upper
 240 100
 120 9.0 8.2 12.2
 236 25.7 20.2 30.4



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: 51.197 ng

RT: 12.99 min Scan# 1854

Delta R.T. -0.01 min

Lab File: BF111919.D

Acq: 8 Jan 2019 20:44

Instrument :

BNA_F

ClientSampleId :

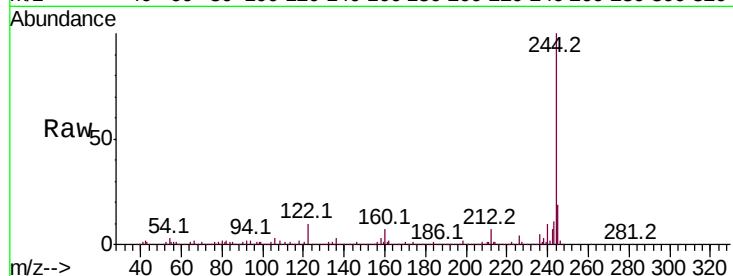
Tot Ion:244 Resp: 809776

Ion Ratio Lower Upper

244 100

212 6.7 5.8 8.8

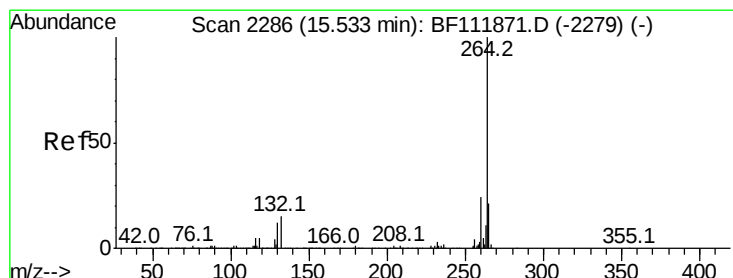
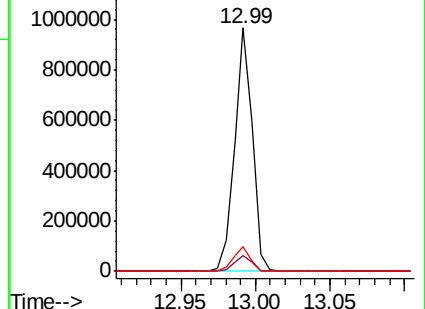
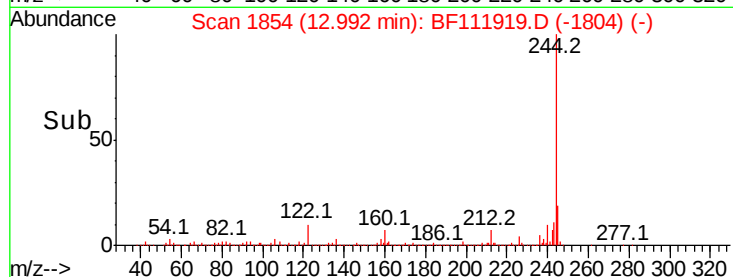
122 10.3 9.5 14.3



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: 15.53 min Scan# 2286

Delta R.T. -0.00 min

Lab File: BF111919.D

Acq: 8 Jan 2019 20:44

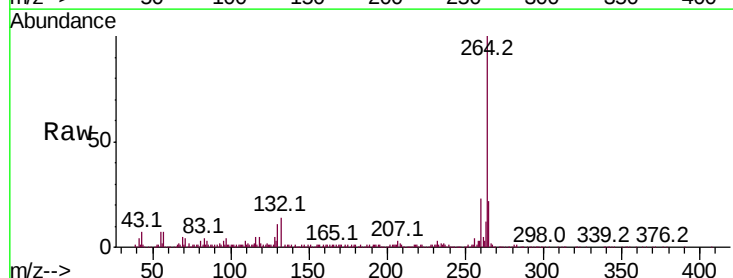
Tgt Ion:264 Resp: 188584

Ion Ratio Lower Upper

264 100

260 23.2 19.2 28.8

265 22.0 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

