

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF011819\
 Data File : BF112117.D
 Acq On : 18 Jan 2019 10:37
 Operator : JU/SJ
 Sample : K1136-02
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 MW-103

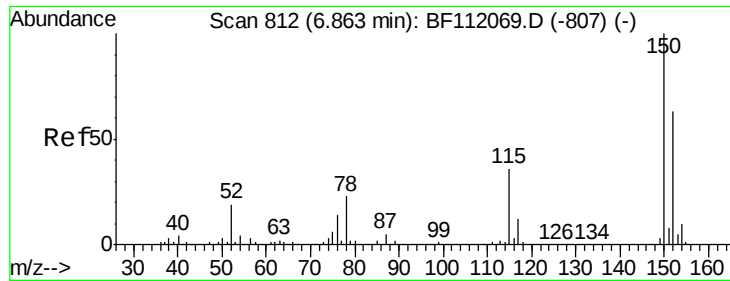
Quant Time: Jan 18 12:05:57 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF011619.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Jan 16 18:22:05 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.86	152	293727	20.00	ng	0.00
21) Naphthalene-d8	8.14	136	1100271	20.00	ng	0.00
39) Acenaphthene-d10	9.89	164	533696	20.00	ng	-0.01
64) Phenanthrene-d10	11.38	188	943575	20.00	ng	0.00
76) Chrysene-d12	14.02	240	618742	20.00	ng	-0.01
87) Perylene-d12	15.49	264	665124	20.00	ng	-0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.49	112	1060182	65.51	ng	0.00
7) Phenol-d6	6.50	99	834663	41.22	ng	-0.01
23) Nitrobenzene-d5	7.42	82	1687802	105.98	ng	0.00
42) 2,4,6-Tribromophenol	10.69	330	767319	133.28	ng	0.00
45) 2-Fluorobiphenyl	9.22	172	2991915	82.19	ng	0.00
79) Terphenyl-d14	12.97	244	2693462	92.61	ng	0.00

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Benzaldehyde	6.50	77	2173	Below Cal		# 1
10) Phenol	6.51	94	61898	2.797	ng	# 75
19) n-Nitroso-di-n-propylamine	7.42	70	232786	18.872	ng	# 74
25) Isophorone	7.42	82	1682030	54.682	ng	# 64
26) 2-Nitrophenol	7.79	139	276	5.709	ng	# 1
32) Benzoic acid	7.93	122	498	7.251	ng	# 64
54) 2,4-Dinitrophenol	9.83	184	114	7.802	ng	# 1
56) 4-Nitrophenol	10.00	139	873	5.786	ng	# 91
57) 2,4-Dinitrotoluene	10.05	165	5338	5.066	ng	# 61
65) 4,6-Dinitro-2-methylphenol	10.51	198	373	10.145	ng	# 1
67) 4-Bromophenyl-phenylether	10.69	248	46196	4.215	ng	# 1

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

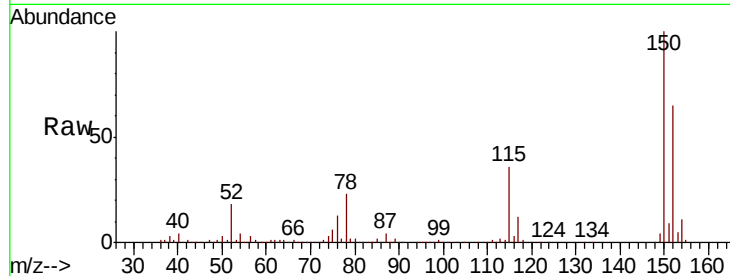


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.86 min Scan# 811
Delta R.T. -0.01 min
Lab File: BF112117.D
Acq: 18 Jan 2019 10:37

Instrument :
BNA_F
ClientSampleId :
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Tot Ion	Ratio	Lower	Upper
152	100		
150	154.4	127.4	191.0
115	55.4	45.5	68.3

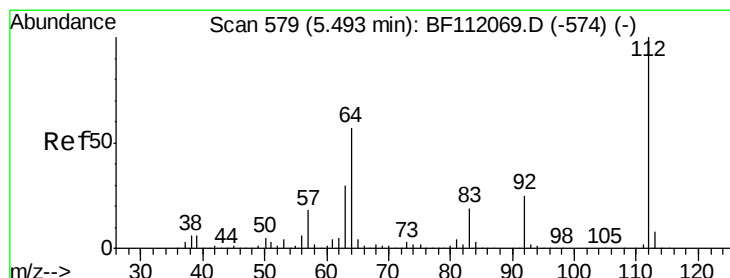
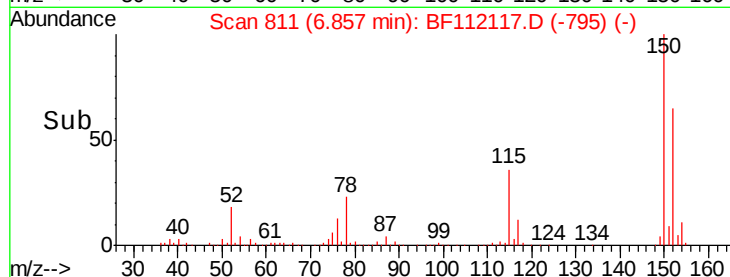
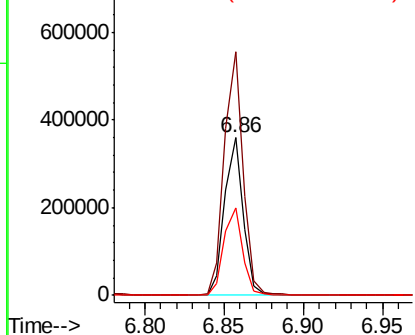


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

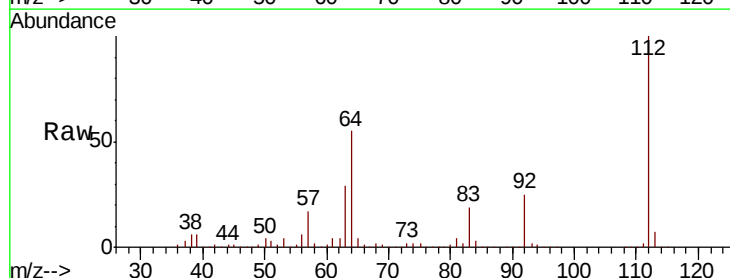
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 65.512 ng
RT: 5.49 min Scan# 579
Delta R.T. -0.00 min
Lab File: BF112117.D
Acq: 18 Jan 2019 10:37

Tgt Ion	Ratio	Lower	Upper
112	100		
64	55.0	45.7	68.5
63	28.5	23.6	35.4

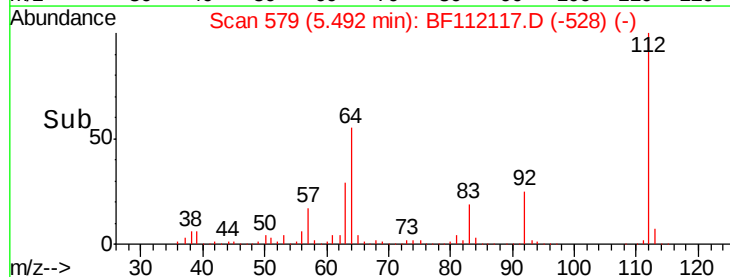
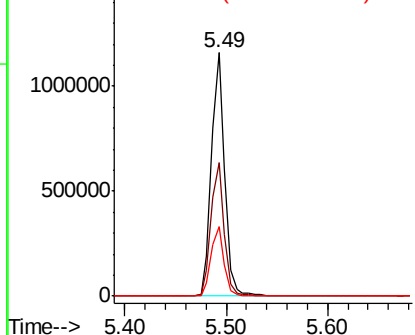


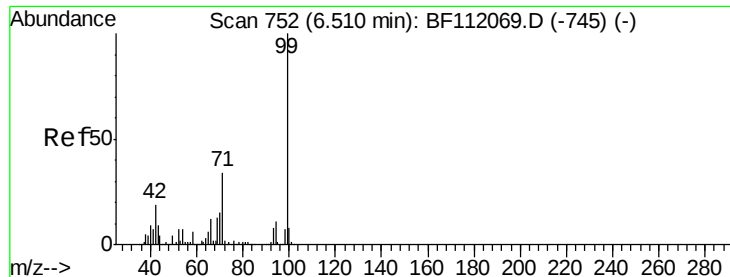
Abundance

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: 41.223 ng

RT: 6.50 min Scan# 750

Delta R.T. -0.01 min

Lab File: BF112117.D

Acq: 18 Jan 2019 10:37

Instrument :

BNA_F

ClientSampled :

MW-103

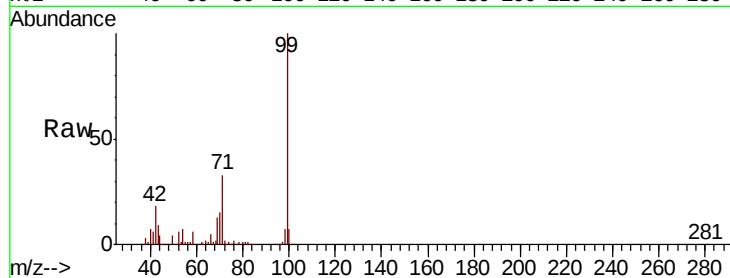
Tot Ion: 99 Resp: 834663

Ion Ratio Lower Upper

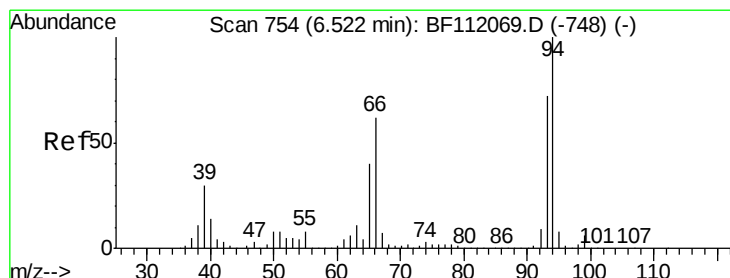
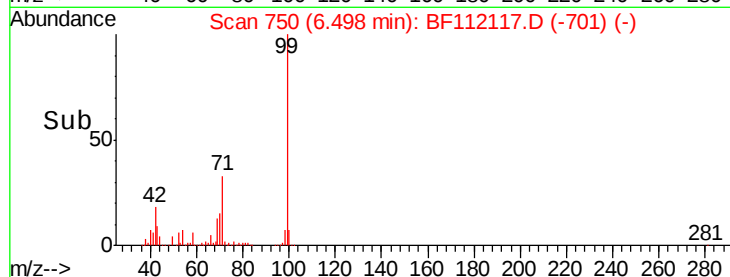
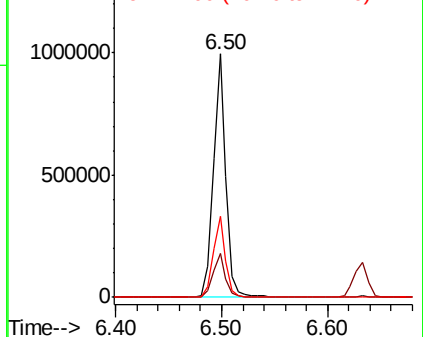
99 100

42 18.2 15.1 22.7

71 33.4 26.9 40.3



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



#10

Phenol

Concen: 2.797 ng

RT: 6.51 min Scan# 752

Delta R.T. -0.01 min

Lab File: BF112117.D

Acq: 18 Jan 2019 10:37

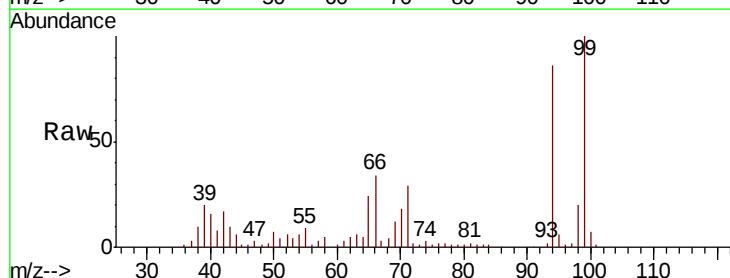
Tgt Ion: 94 Resp: 61898

Ion Ratio Lower Upper

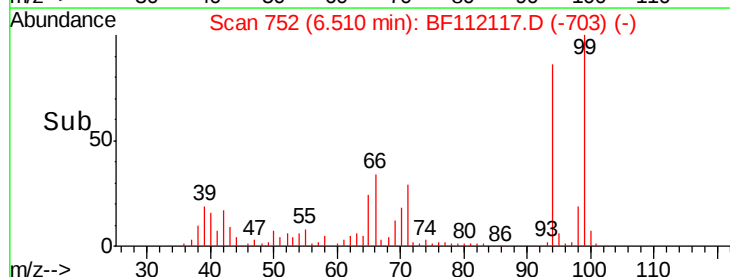
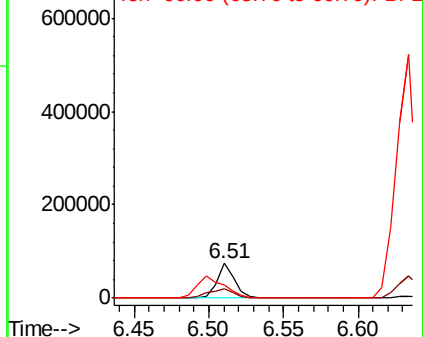
94 100

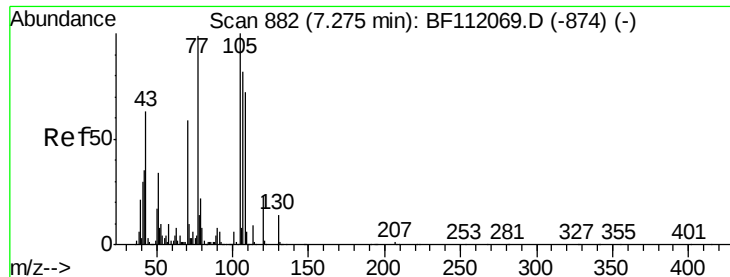
65 28.3 20.3 60.3

66 40.0 42.4 82.4#



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

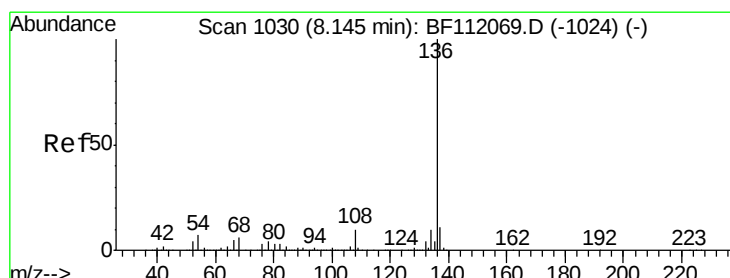
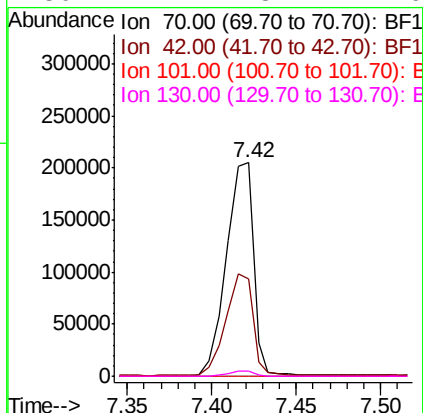
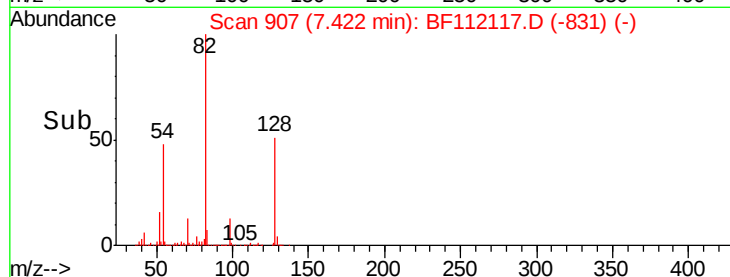
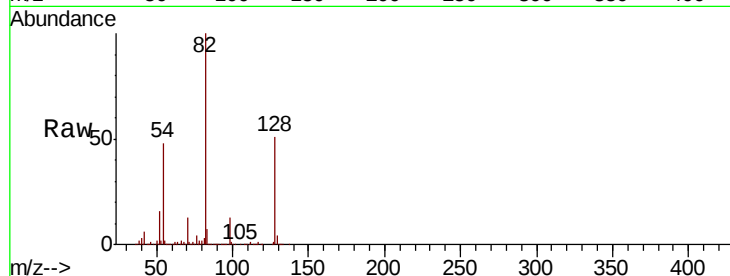




#19
n-Nitroso-di-n-propylamine
Concen: 18.872 ng
RT: 7.42 min Scan# 907
Delta R.T. 0.15 min
Lab File: BF112117.D
Acq: 18 Jan 2019 10:37

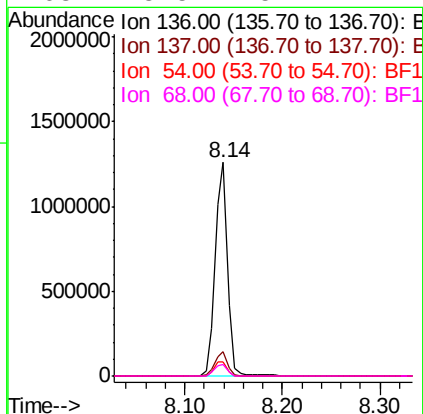
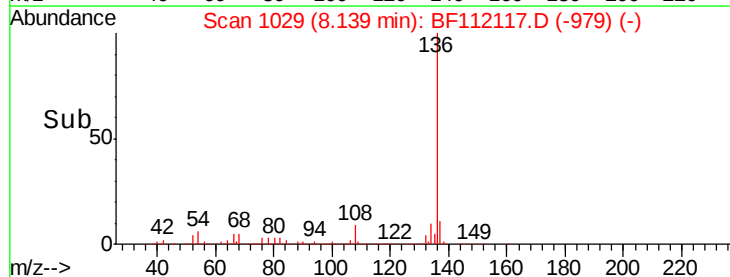
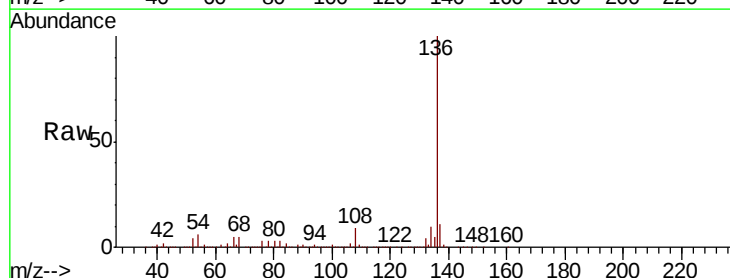
Instrument :
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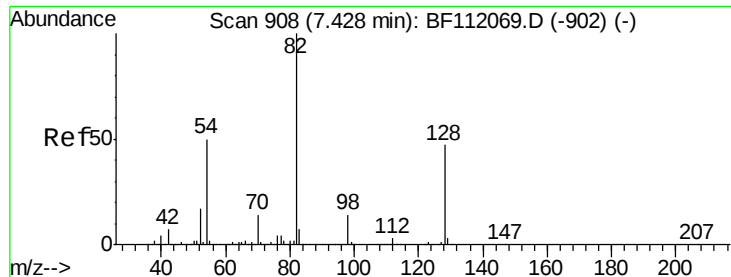
Tot Ion: 70 Resp: 232786
Ion Ratio Lower Upper
70 100
42 45.4 47.6 71.4#
101 0.0 7.9 11.9#
130 2.2 18.4 27.6#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.14 min Scan# 1029
Delta R.T. -0.01 min
Lab File: BF112117.D
Acq: 18 Jan 2019 10:37

Tgt Ion: 136 Resp: 1100271
Ion Ratio Lower Upper
136 100
137 11.4 9.1 13.7
54 6.5 5.9 8.9
68 5.5 5.1 7.7

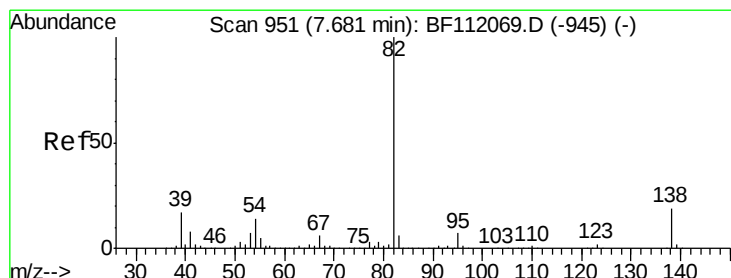
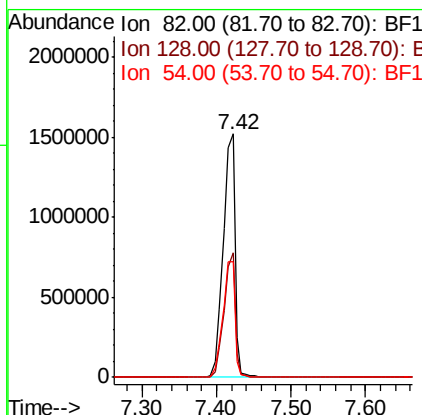
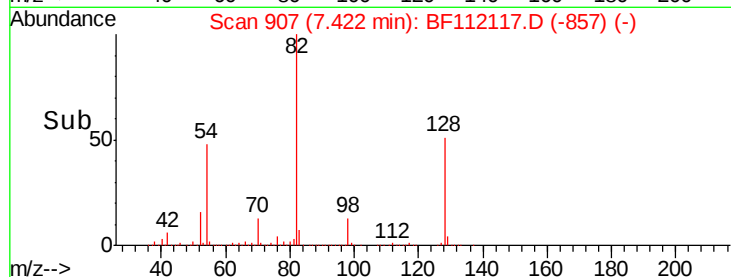
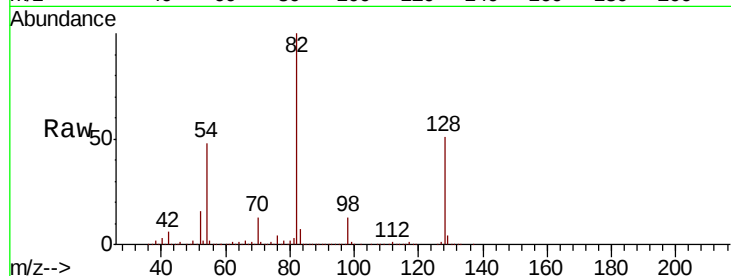




#23
Nitrobenzene-d5
Concen: 105.982 ng
RT: 7.42 min Scan# 907
Delta R.T. -0.01 min
Lab File: BF112117.D
Acq: 18 Jan 2019 10:37

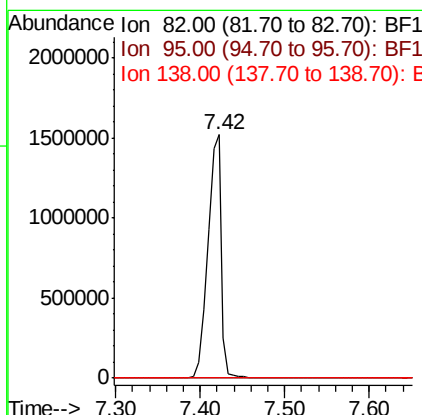
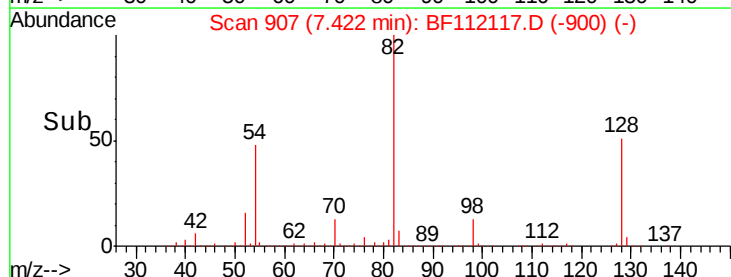
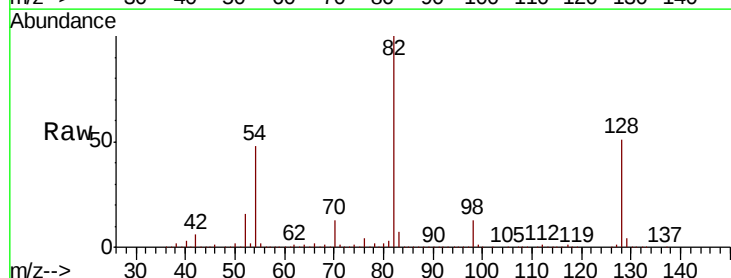
Instrument :
BNA_F
ClientSampleId :
MW-103

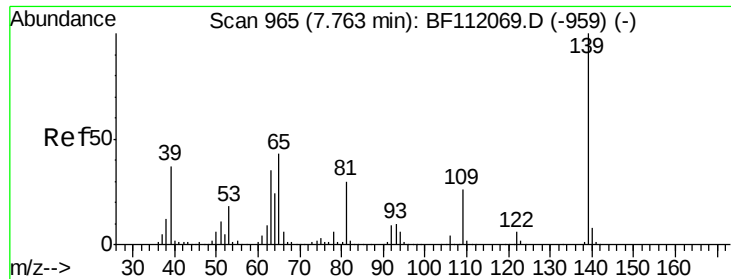
Tot Ion: 82 Resp: 1687802
Ion Ratio Lower Upper
82 100
128 51.3 37.8 56.8
54 47.6 39.7 59.5



#25
Isophorone
Concen: 54.682 ng
RT: 7.42 min Scan# 907
Delta R.T. -0.26 min
Lab File: BF112117.D
Acq: 18 Jan 2019 10:37

Tgt Ion: 82 Resp: 1682030
Ion Ratio Lower Upper
82 100
95 0.1 5.7 8.5#
138 0.0 15.4 23.0#

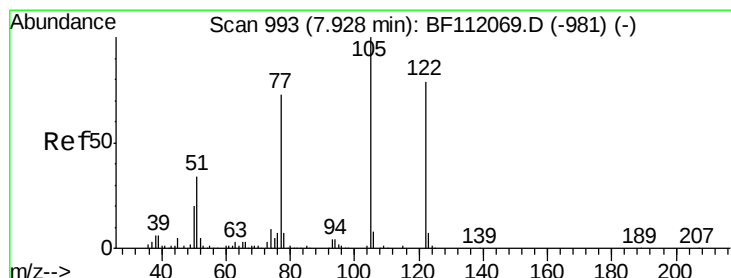
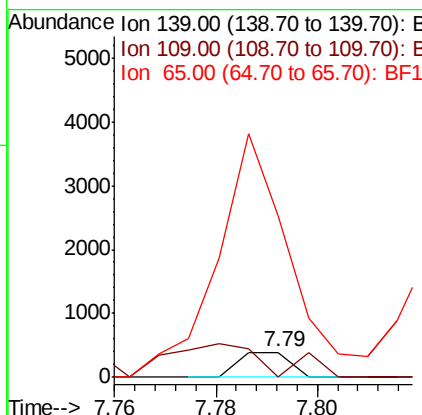
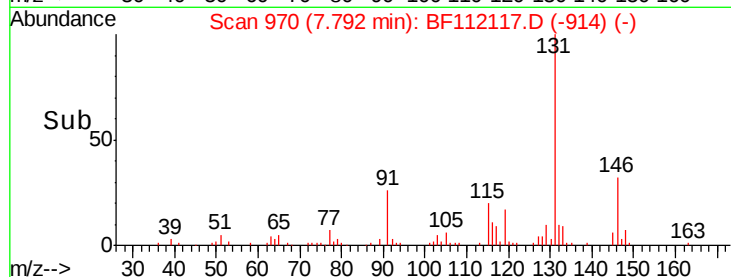
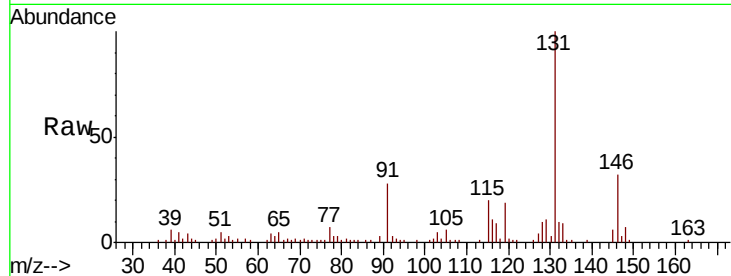




#26
2-Nitrophenol
Concen: 5.709 ng
RT: 7.79 min Scan# 970
Delta R.T. 0.03 min
Lab File: BF112117.D
Acq: 18 Jan 2019 10:37

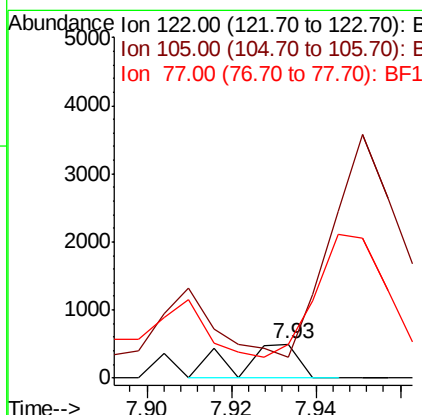
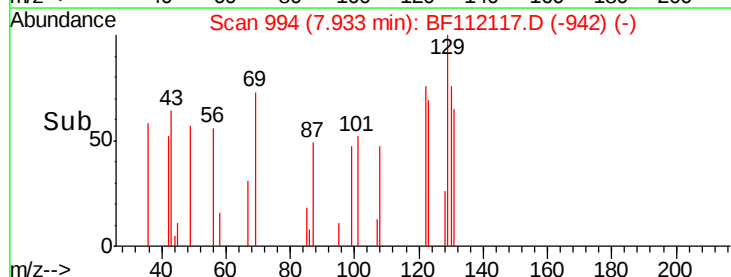
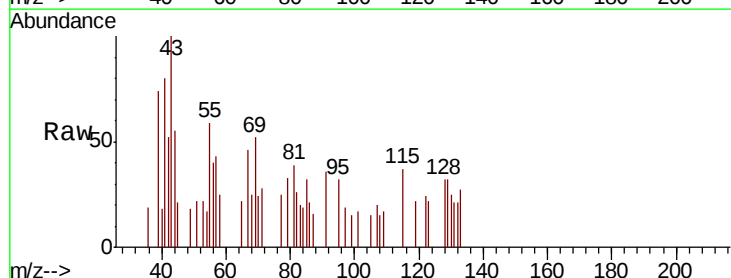
Instrument :
BNA_F
ClientSampleId :
MW-103

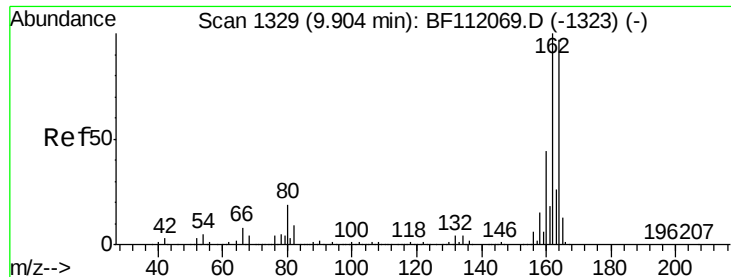
Tot Ion:139 Resp: 276
Ion Ratio Lower Upper
139 100
109 0.0 20.8 31.2#
65 635.5 34.4 51.6#



#32
Benzoic acid
Concen: 7.251 ng
RT: 7.93 min Scan# 994
Delta R.T. 0.01 min
Lab File: BF112117.D
Acq: 18 Jan 2019 10:37

Tgt Ion:122 Resp: 498
Ion Ratio Lower Upper
122 100
105 60.9 101.2 141.2#
77 101.6 70.4 110.4

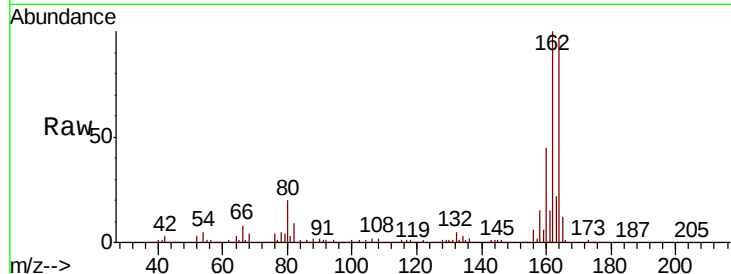




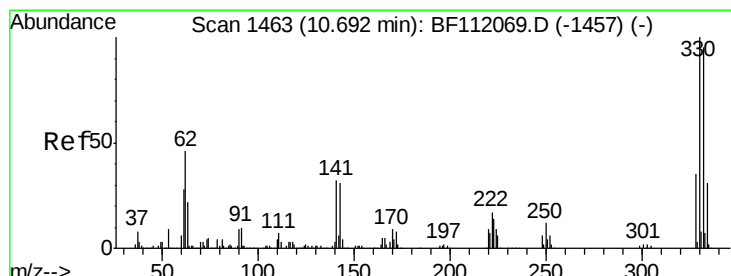
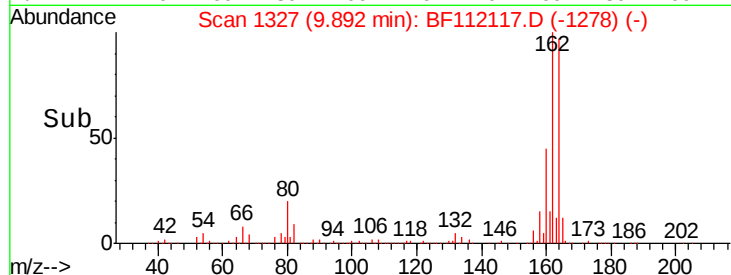
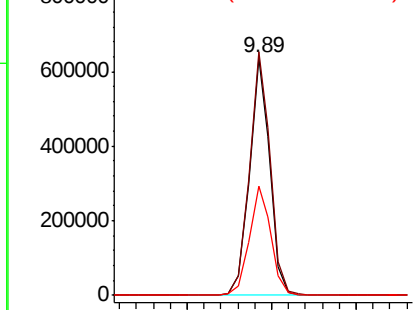
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.89 min Scan# 1327
Delta R.T. -0.01 min
Lab File: BF112117.D
Acq: 18 Jan 2019 10:37

Instrument :
BNA_F
ClientSampleId :
MW-103

Tot Ion:164 Resp: 533696
Ion Ratio Lower Upper
164 100
162 102.6 82.2 123.4
160 45.9 36.2 54.4

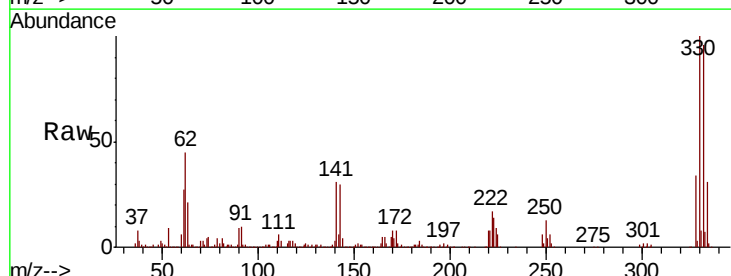


Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E

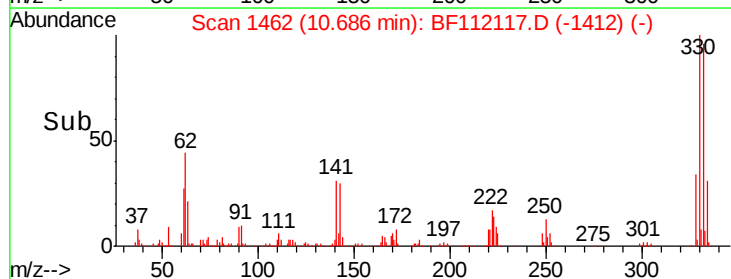
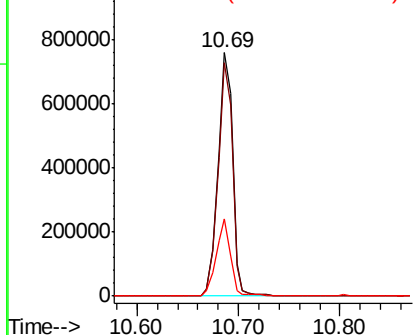


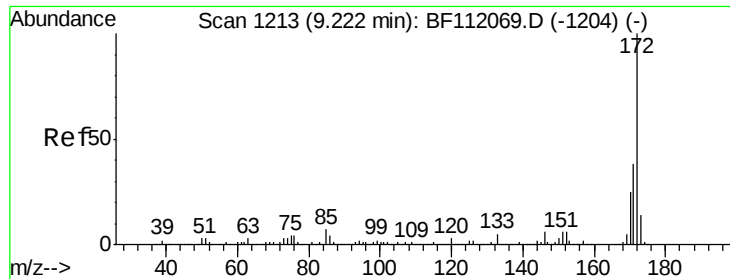
#42
2,4,6-Tribromophenol
Concen: 133.275 ng
RT: 10.69 min Scan# 1462
Delta R.T. -0.01 min
Lab File: BF112117.D
Acq: 18 Jan 2019 10:37

Tgt Ion:330 Resp: 767319
Ion Ratio Lower Upper
330 100
332 95.4 76.6 114.8
141 30.5 24.3 36.5



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

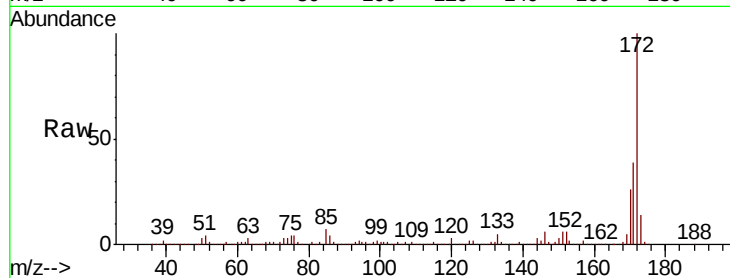




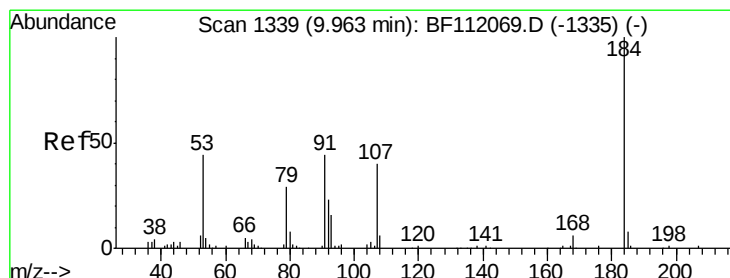
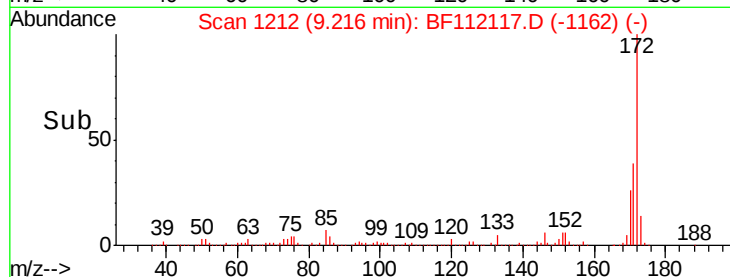
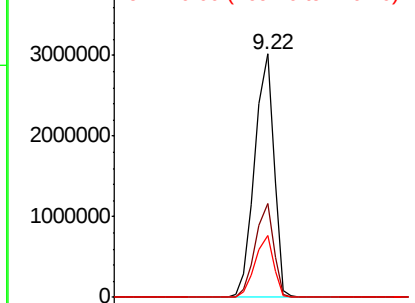
#45
2-Fluorobiphenyl
Concen: 82.191 ng
RT: 9.22 min Scan# 1212
Delta R.T. -0.01 min
Lab File: BF112117.D
Acq: 18 Jan 2019 10:37

Instrument :
BNA_F
ClientSampleId :
MW-103

Tot Ion:172 Resp: 2991915
Ion Ratio Lower Upper
172 100
171 38.7 30.5 45.7
170 25.6 20.2 30.4

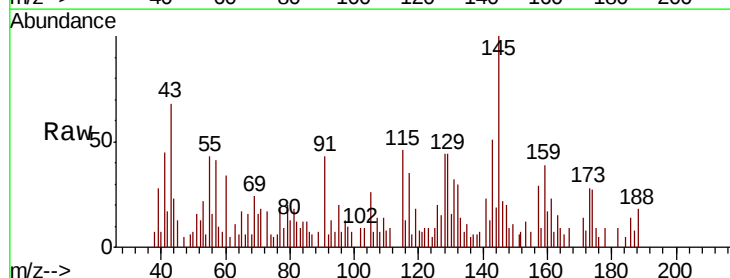


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

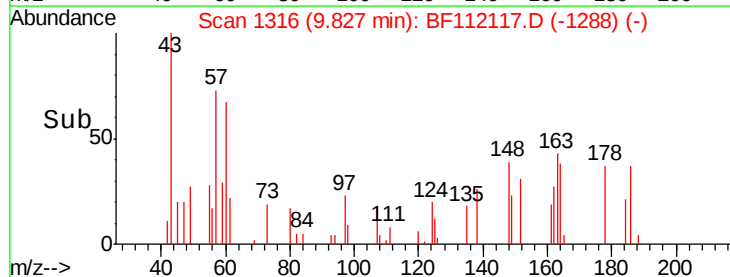
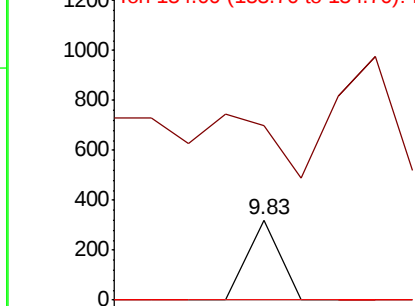


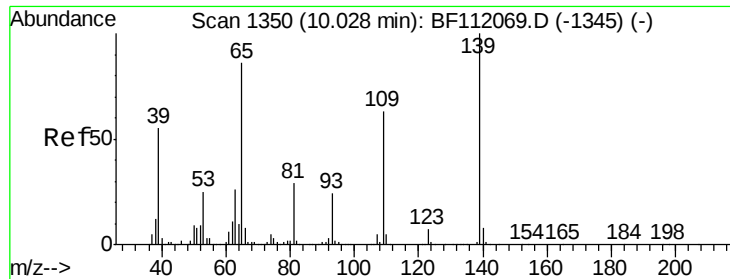
#54
2,4-Dinitrophenol
Concen: 7.802 ng
RT: 9.83 min Scan# 1316
Delta R.T. -0.13 min
Lab File: BF112117.D
Acq: 18 Jan 2019 10:37

Tgt Ion:184 Resp: 114
Ion Ratio Lower Upper
184 100
63 217.1 47.1 70.7#
154 0.0 48.9 73.3#



Abundance Ion 184.00 (183.70 to 184.70): E
Ion 63.00 (62.70 to 63.70): BF1
Ion 154.00 (153.70 to 154.70): E





#56

4-Nitrophenol

Concen: 5.786 ng

RT: 10.00 min Scan# 1345

Delta R.T. -0.03 min

Lab File: BF112117.D

Acq: 18 Jan 2019 10:37

Instrument :

BNA_F

ClientSampleId :

MW-103

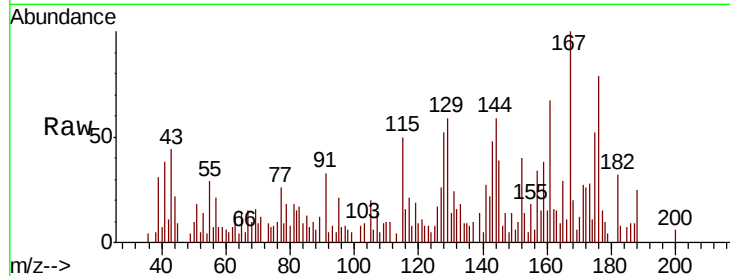
Tot Ion:139 Resp: 873

Ion Ratio Lower Upper

139 100

109 63.6 42.8 82.8

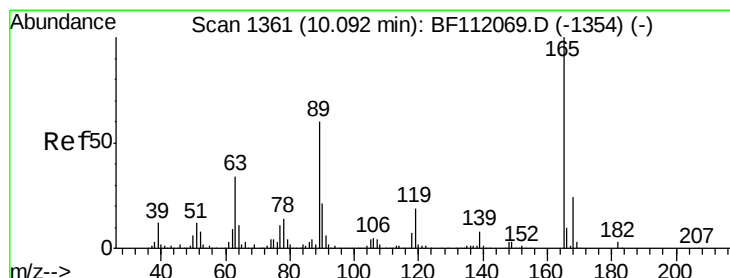
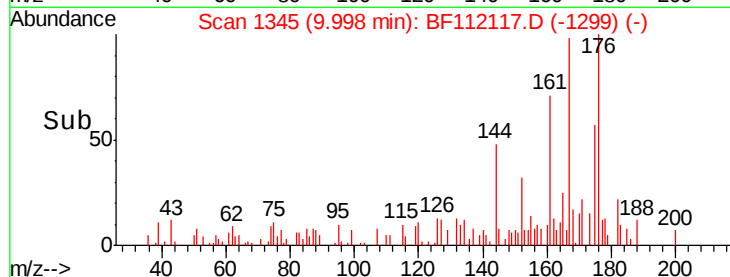
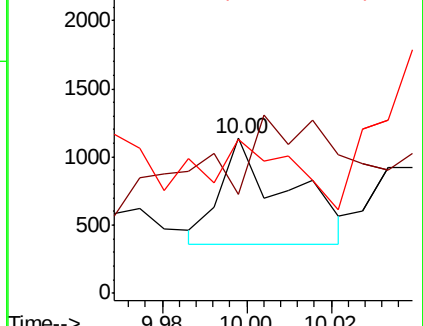
65 99.3 66.1 106.1



Abundance Ion 139.00 (138.70 to 139.70): E

Ion 109.00 (108.70 to 109.70): E

Ion 65.00 (64.70 to 65.70): BF1



#57

2,4-Dinitrotoluene

Concen: 5.066 ng

RT: 10.05 min Scan# 1354

Delta R.T. -0.04 min

Lab File: BF112117.D

Acq: 18 Jan 2019 10:37

Tgt Ion:165 Resp: 5338

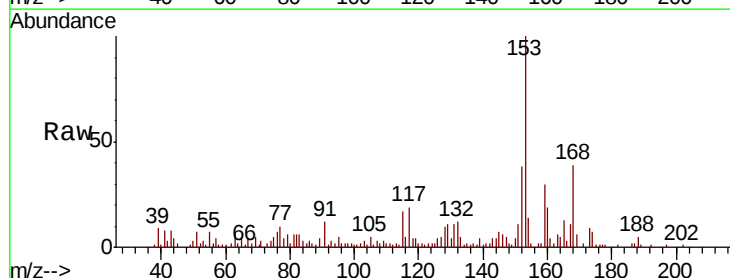
Ion Ratio Lower Upper

165 100

63 54.5 27.9 41.9#

89 27.1 47.9 71.9#

182 7.8 2.2 3.4#

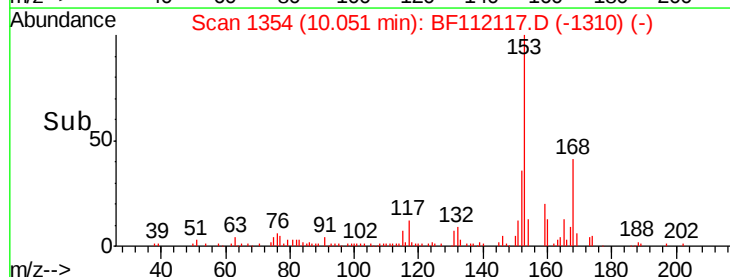
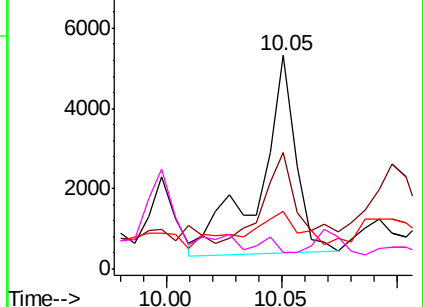


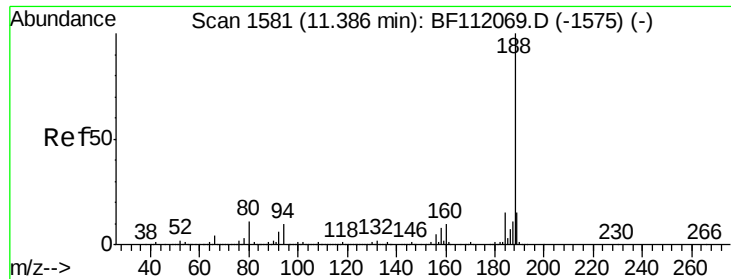
Abundance Ion 165.00 (164.70 to 165.70): E

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: 11.38 min Scan# 1580

Delta R.T. -0.01 min

Lab File: BF112117.D

Acq: 18 Jan 2019 10:37

Instrument :

BNA_F

ClientSampleId :

MW-103

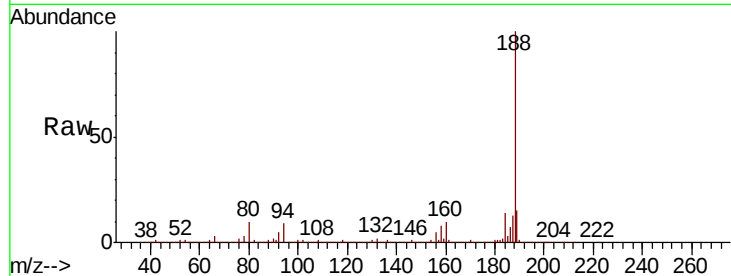
Tot Ion:188 Resp: 943575

Ion Ratio Lower Upper

188 100

94 9.0 8.2 12.2

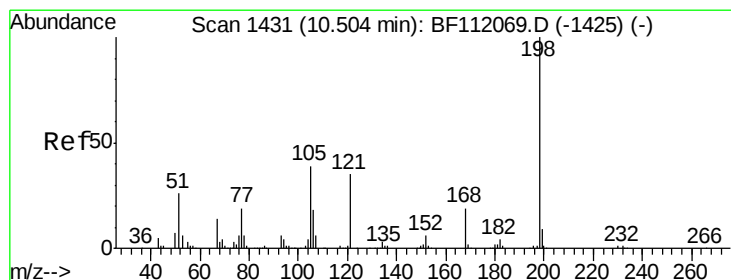
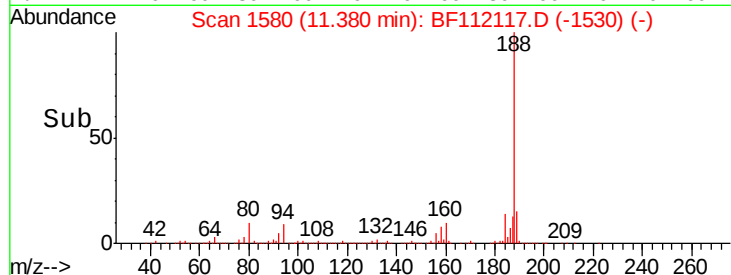
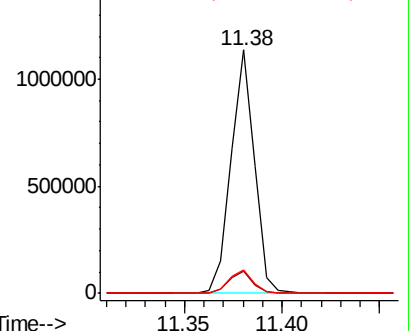
80 9.7 8.9 13.3



Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF1

Ion 80.00 (79.70 to 80.70): BF1



#65

4,6-Dinitro-2-methylphenol

Concen: 10.145 ng

RT: 10.51 min Scan# 1432

Delta R.T. 0.01 min

Lab File: BF112117.D

Acq: 18 Jan 2019 10:37

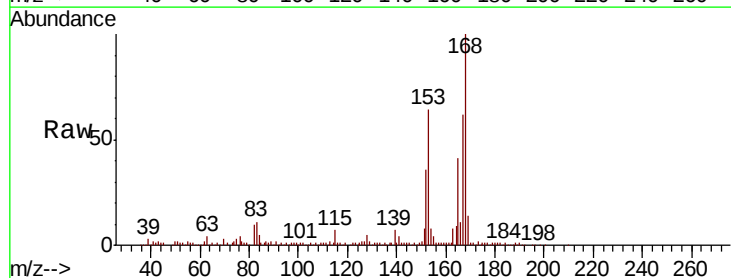
Tgt Ion:198 Resp: 373

Ion Ratio Lower Upper

198 100

51 849.1 17.2 57.2#

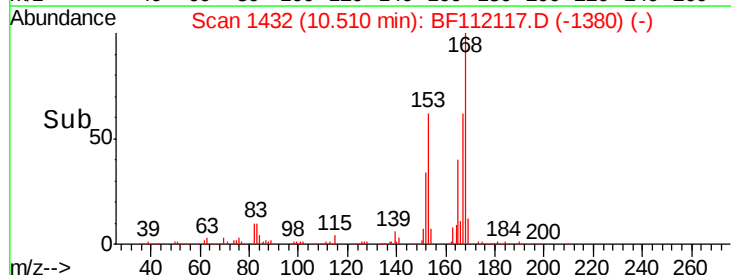
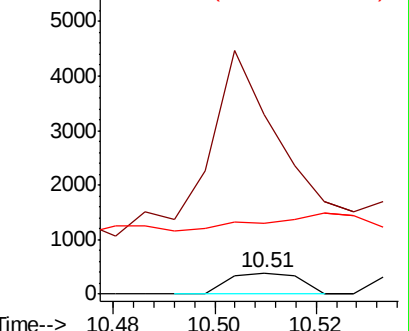
105 335.1 21.9 61.9#

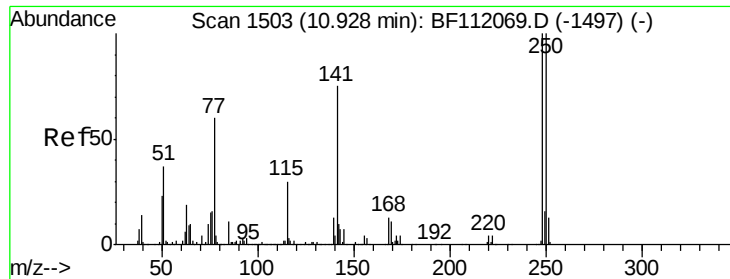


Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BF1

Ion 105.00 (104.70 to 105.70): E

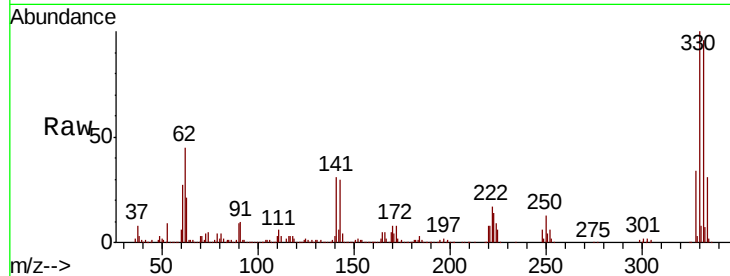




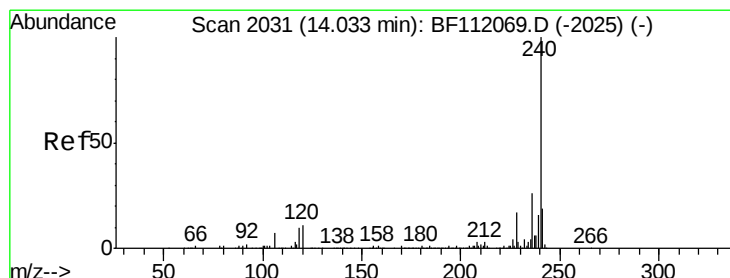
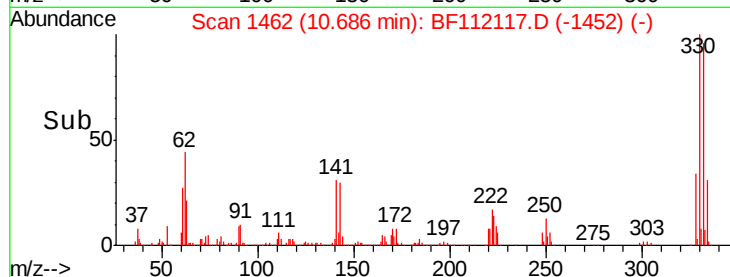
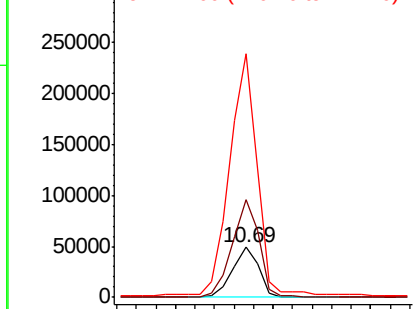
#67
4-Bromophenyl-phenylether
Concen: 4.215 ng
RT: 10.69 min Scan# 1462
Delta R.T. -0.24 min
Lab File: BF112117.D
Acq: 18 Jan 2019 10:37

Instrument :
BNA_F
ClientSampleId :
MW-103

Tot Ion:248 Resp: 46196
Ion Ratio Lower Upper
248 100
250 195.4 79.7 119.5#
141 488.9 60.3 90.5#

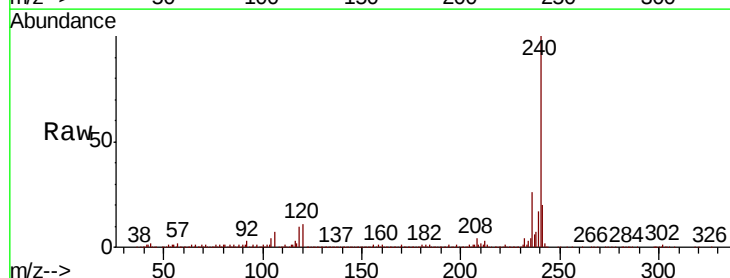


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

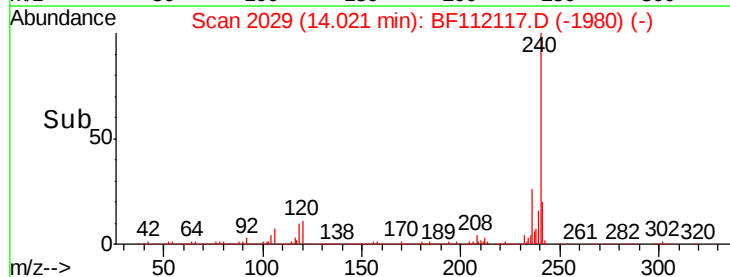
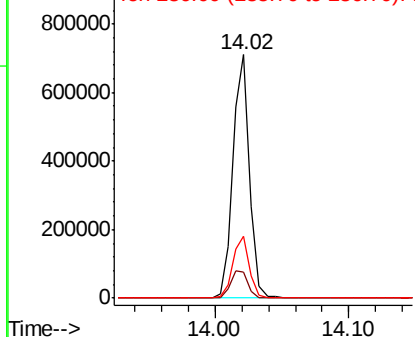


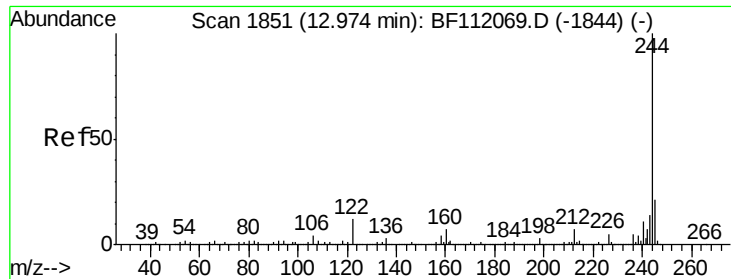
#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.02 min Scan# 2029
Delta R.T. -0.01 min
Lab File: BF112117.D
Acq: 18 Jan 2019 10:37

Tgt Ion:240 Resp: 618742
Ion Ratio Lower Upper
240 100
120 10.8 9.0 13.6
236 25.5 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



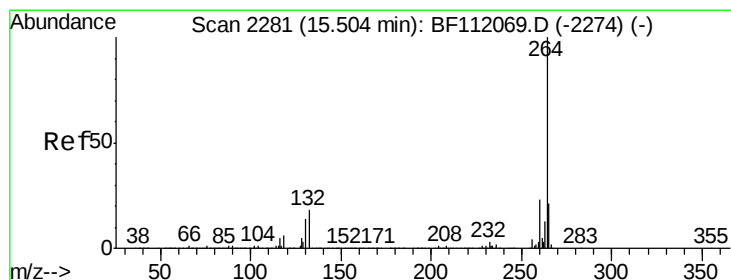
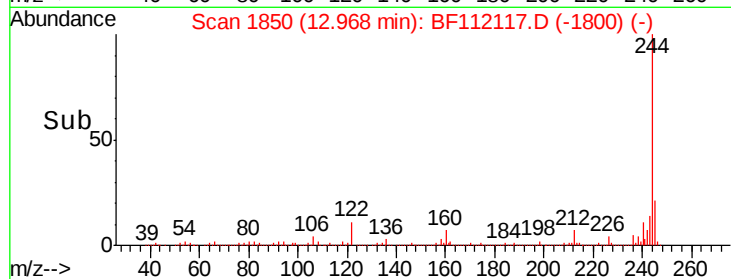
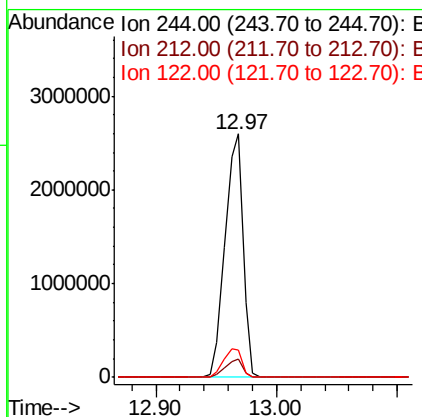
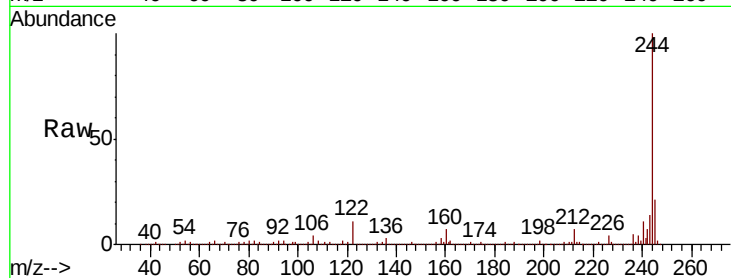


#79
 Terphenyl-d14
 Concen: 92.607 ng
 RT: 12.97 min Scan# 1850
 Delta R.T. -0.01 min
 Lab File: BF112117.D
 Acq: 18 Jan 2019 10:37

Instrument :
 BNA_F
 ClientSampleId :
 MW-103

Tot Ion:244 Resp: 2693462

Ion	Ratio	Lower	Upper
244	100		
212	7.3	5.9	8.9
122	11.1	9.8	14.6



#87
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.49 min Scan# 2279
 Delta R.T. -0.01 min
 Lab File: BF112117.D
 Acq: 18 Jan 2019 10:37

Tgt Ion:264 Resp: 665124

Ion	Ratio	Lower	Upper
264	100		
260	24.1	18.2	27.2
265	21.9	17.0	25.4

