

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF011719\
 Data File : BF112079.D
 Acq On : 17 Jan 2019 10:26
 Operator : JU/SJ
 Sample : K1147-10
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TP-4

Quant Time: Jan 17 12:20:40 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	297873	20.00	ng	0.00
21) Naphthalene-d8	8.14	136	1139351	20.00	ng	0.00
39) Acenaphthene-d10	9.90	164	575806	20.00	ng	0.00
64) Phenanthrene-d10	11.39	188	1143100	20.00	ng	0.00
76) Chrysene-d12	14.02	240	786034	20.00	ng	-0.01
87) Perylene-d12	15.50	264	663190	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.50	112	1822351	111.04	ng	0.00
7) Phenol-d6	6.50	99	2347886	114.35	ng	0.00
23) Nitrobenzene-d5	7.42	82	1435624	87.05	ng	0.00
42) 2,4,6-Tribromophenol	10.69	330	789576	127.11	ng	0.00
45) 2-Fluorobiphenyl	9.22	172	2867095	73.00	ng	0.00
79) Terphenyl-d14	12.97	244	3110584	84.19	ng	0.00

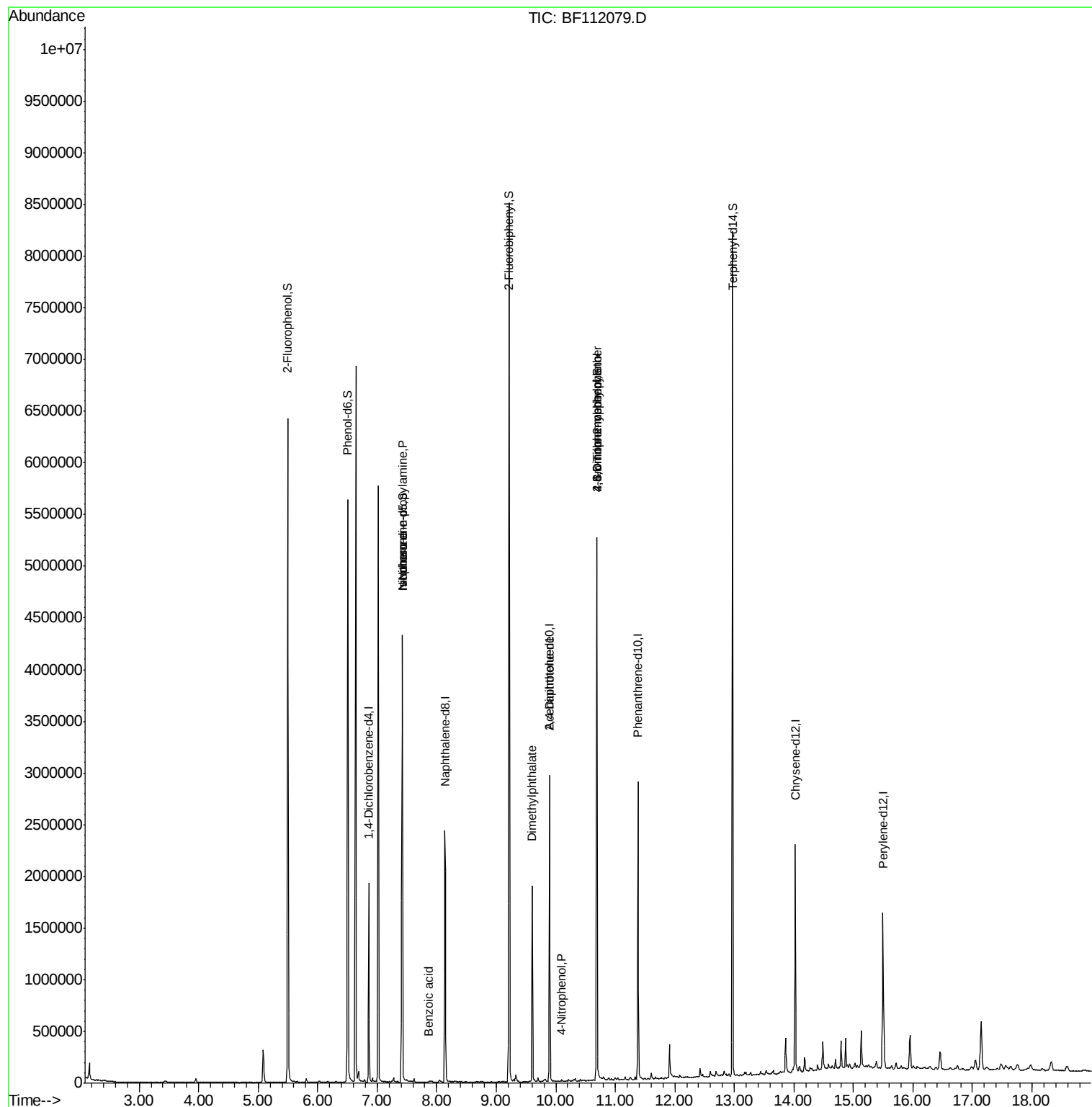
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Benzaldehyde	6.51	77	4877	Below Cal		# 6
19) n-Nitroso-di-n-propylamine	7.42	70	192821	15.415	ng	# 79
25) Isophorone	7.42	82	1435609	45.070	ng	# 64
32) Benzoic acid	7.86	122	3275	7.699	ng	92
50) Dimethylphthalate	9.60	163	789184	18.794	ng	100
56) 4-Nitrophenol	10.10	139	226	5.686	ng	# 12
57) 2,4-Dinitrotoluene	9.90	165	75964	10.965	ng	# 31
65) 4,6-Dinitro-2-methylphenol	10.69	198	1607	10.336	ng	# 1
67) 4-Bromophenyl-phenylether	10.69	248	46992	3.539	ng	# 1

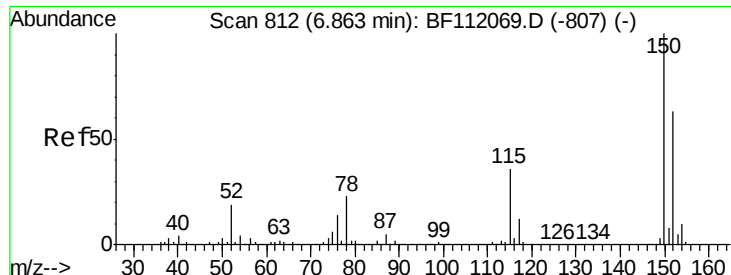
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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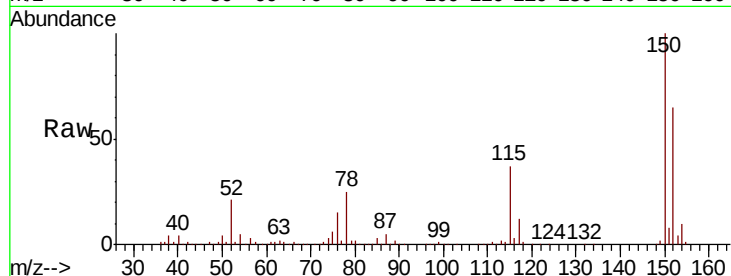


#1

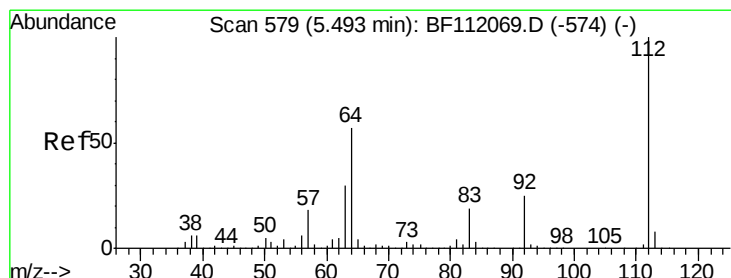
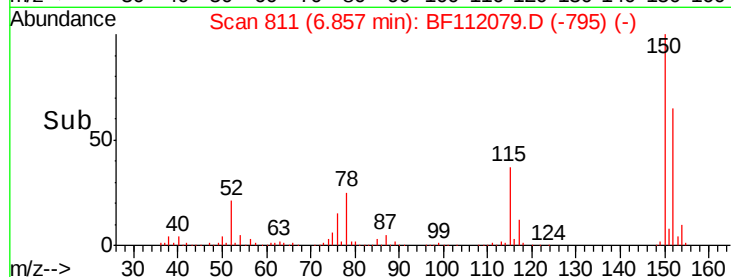
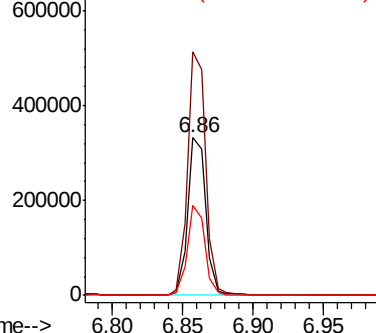
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.86 min Scan# 811
Delta R.T. -0.01 min
Lab File: BF112079.D
Acq: 17 Jan 2019 10:26

Instrument :
BNA_F
ClientSampleId :
TP-4

Tot Ion:152 Resp: 297873
Ion Ratio Lower Upper
152 100
150 154.6 127.4 191.0
115 57.5 45.5 68.3



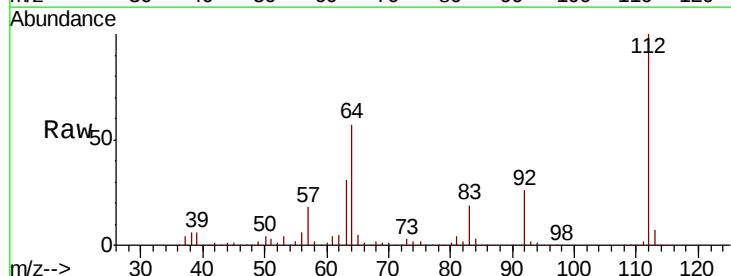
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



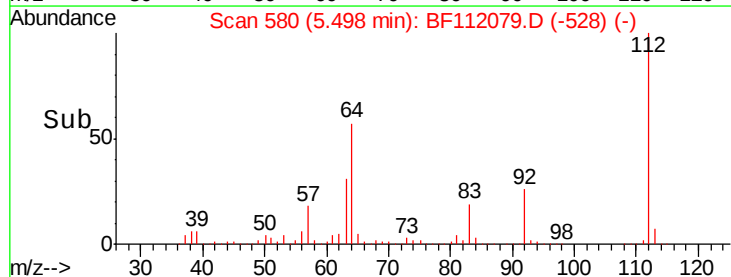
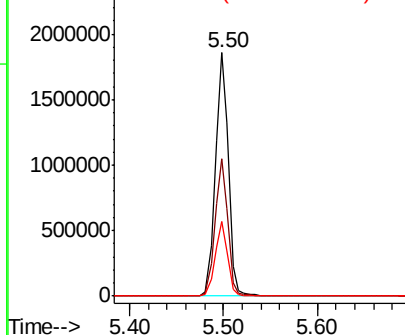
#5

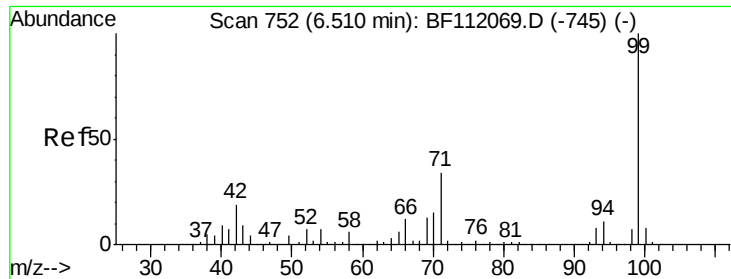
2-Fluorophenol
Concen: 111.042 ng
RT: 5.50 min Scan# 580
Delta R.T. 0.01 min
Lab File: BF112079.D
Acq: 17 Jan 2019 10:26

Tgt Ion:112 Resp: 1822351
Ion Ratio Lower Upper
112 100
64 56.6 45.7 68.5
63 30.6 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: 114.346 ng

RT: 6.50 min Scan# 751

Delta R.T. -0.01 min

Lab File: BF112079.D

Acq: 17 Jan 2019 10:26

Instrument :

BNA_F

ClientSampled :

TP-4

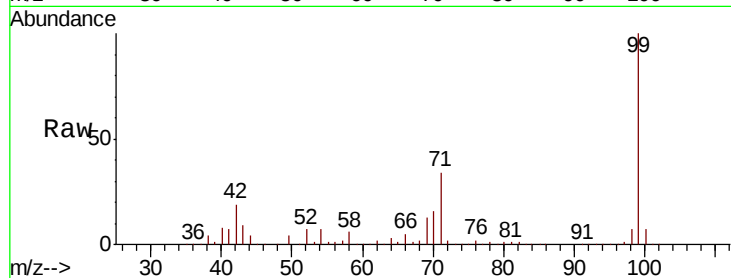
Tot Ion: 99 Resp: 2347886

Ion Ratio Lower Upper

99 100

42 19.4 15.1 22.7

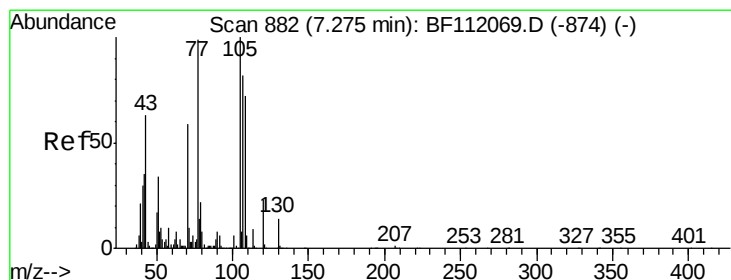
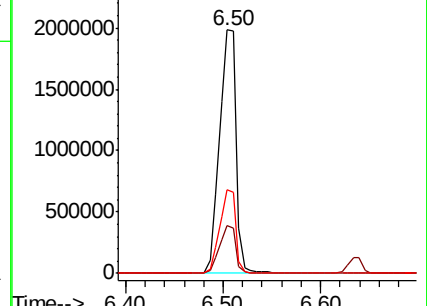
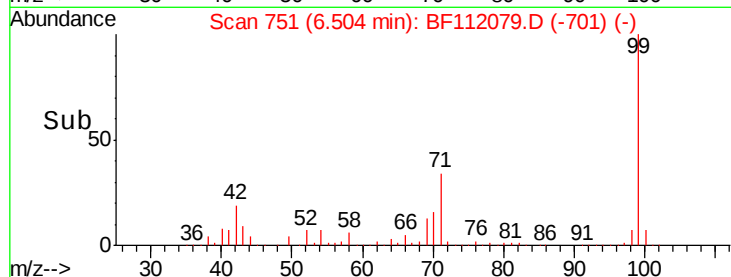
71 34.4 26.9 40.3



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



#19

n-Nitroso-di-n-propylamine

Concen: 15.415 ng

RT: 7.42 min Scan# 907

Delta R.T. 0.15 min

Lab File: BF112079.D

Acq: 17 Jan 2019 10:26

Tgt Ion: 70 Resp: 192821

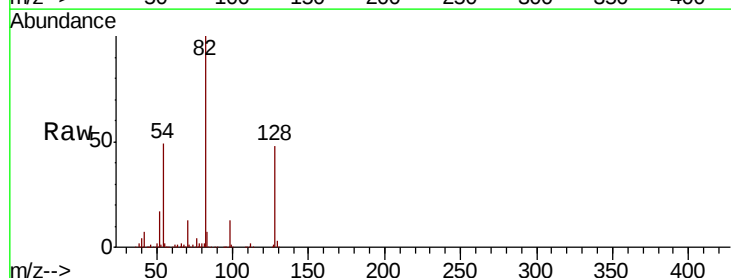
Ion Ratio Lower Upper

70 100

42 50.7 47.6 71.4

101 0.0 7.9 11.9#

130 2.5 18.4 27.6#

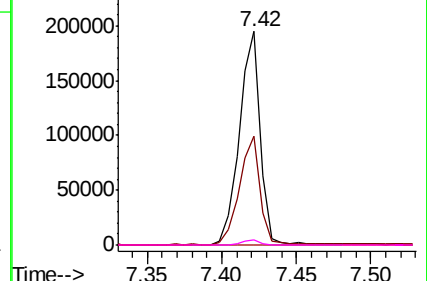
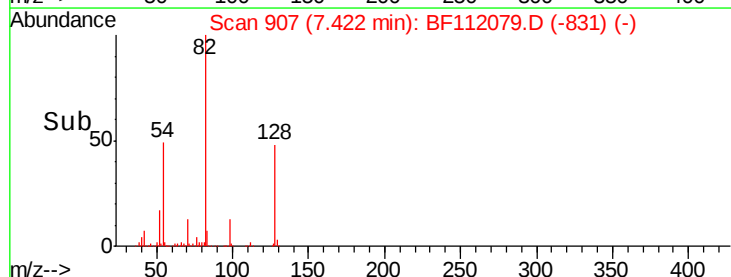


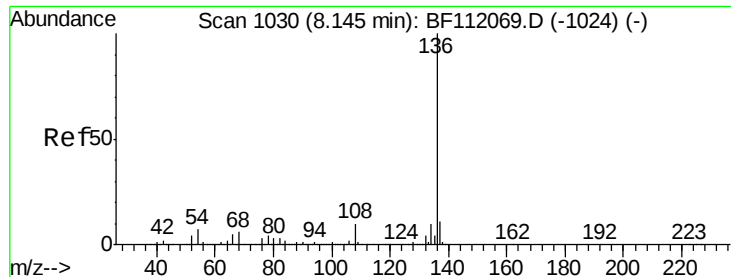
Abundance Ion 70.00 (69.70 to 70.70): BF1

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: 8.14 min Scan# 1029

Delta R.T. -0.01 min

Lab File: BF112079.D

Acq: 17 Jan 2019 10:26

Instrument :

BNA_F

ClientSampled :

TP-4

Tot Ion:136 Resp: 1139351

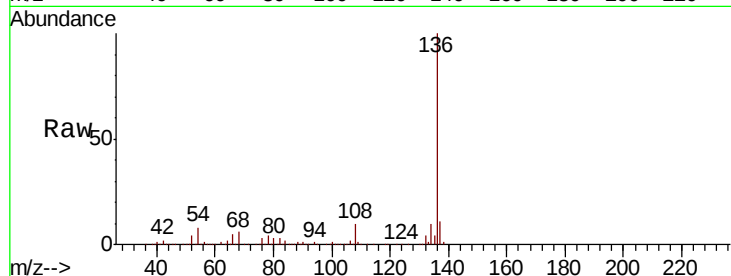
Ion Ratio Lower Upper

136 100

137 11.1 9.1 13.7

54 7.8 5.9 8.9

68 6.3 5.1 7.7

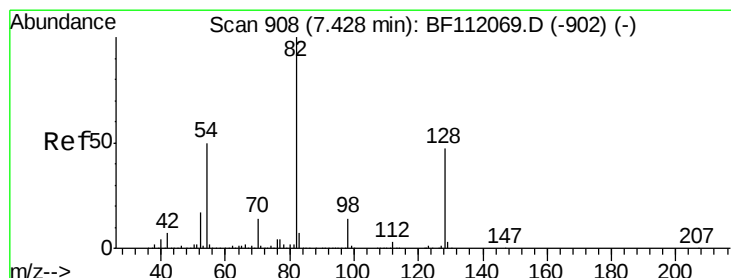
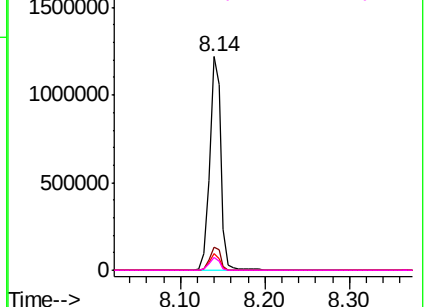
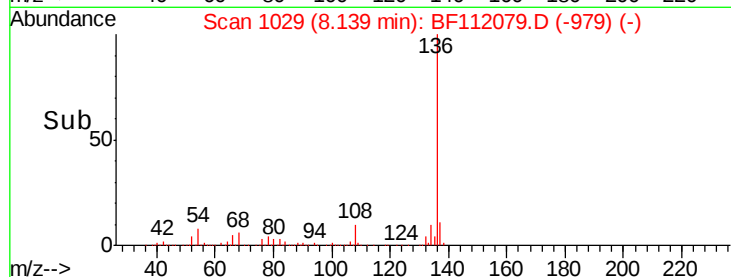


Abundance Ion 136.00 (135.70 to 136.70): E

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: 87.055 ng

RT: 7.42 min Scan# 907

Delta R.T. -0.01 min

Lab File: BF112079.D

Acq: 17 Jan 2019 10:26

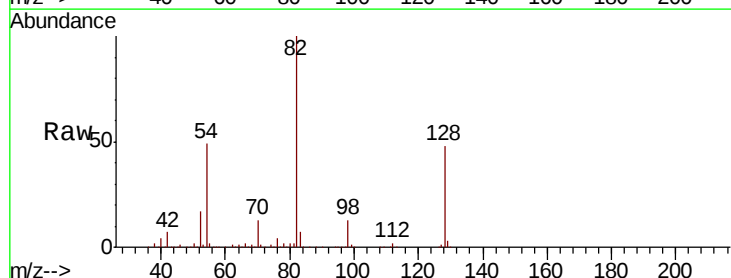
Tgt Ion: 82 Resp: 1435624

Ion Ratio Lower Upper

82 100

128 48.5 37.8 56.8

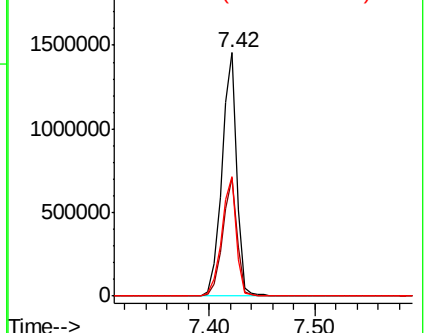
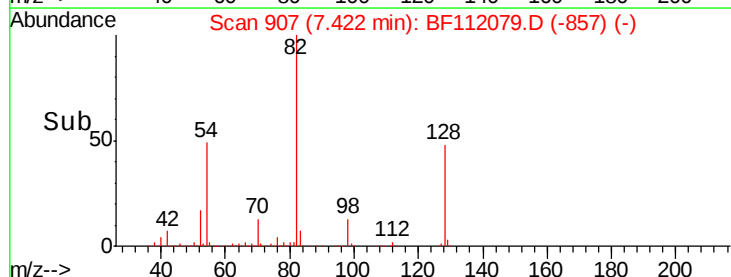
54 49.2 39.7 59.5

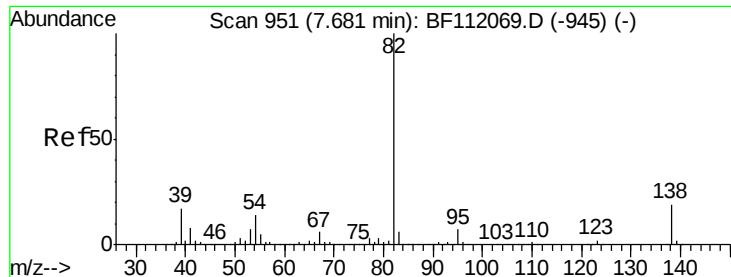


Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF1





#25

Isophorone

Concen: 45.070 ng

RT: 7.42 min Scan# 907

Delta R.T. -0.26 min

Lab File: BF112079.D

Acq: 17 Jan 2019 10:26

Instrument :

BNA_F

ClientSampleId :

TP-4

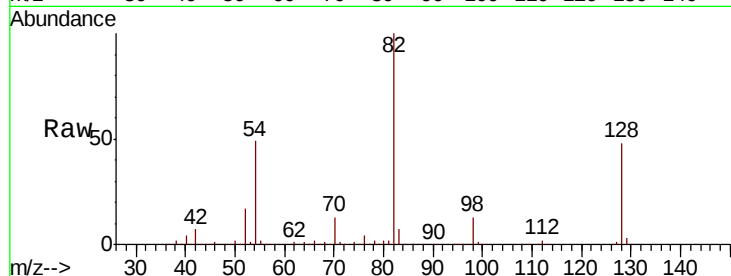
Tot Ion: 82 Resp: 1435609

Ion Ratio Lower Upper

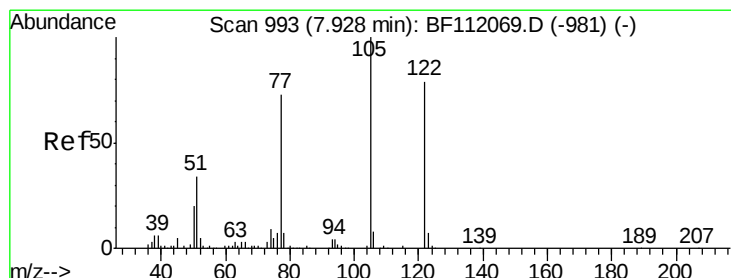
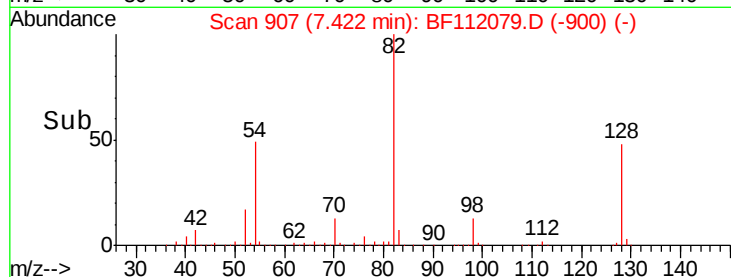
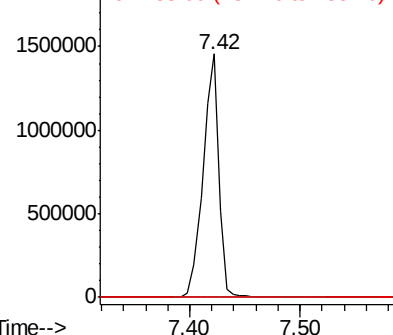
82 100

95 0.0 5.7 8.5#

138 0.0 15.4 23.0#



Abundance Ion 82.00 (81.70 to 82.70): BF1
2000000
Ion 95.00 (94.70 to 95.70): BF1
Ion 138.00 (137.70 to 138.70): BF1



#32

Benzoic acid

Concen: 7.699 ng

RT: 7.86 min Scan# 982

Delta R.T. -0.06 min

Lab File: BF112079.D

Acq: 17 Jan 2019 10:26

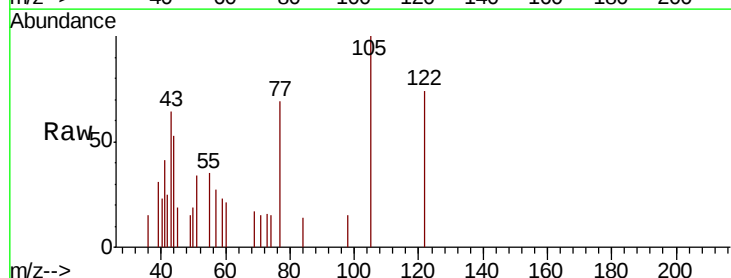
Tgt Ion:122 Resp: 3275

Ion Ratio Lower Upper

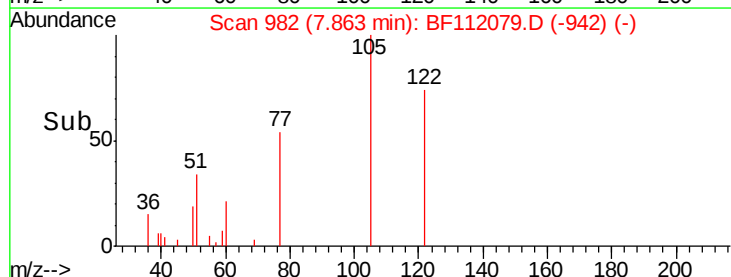
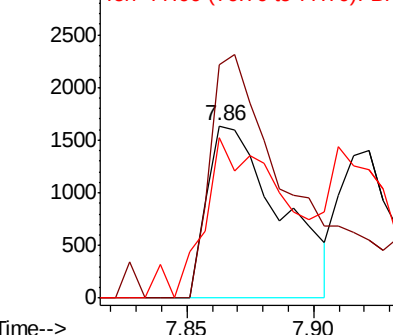
122 100

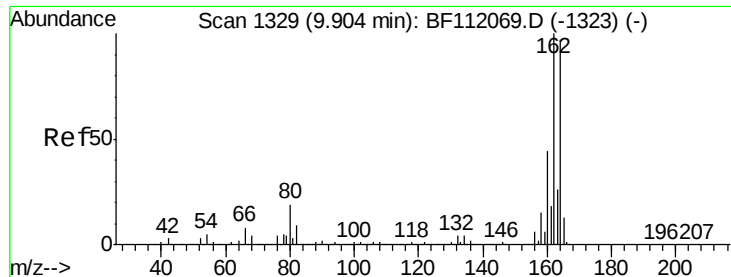
105 135.2 101.2 141.2

77 92.7 70.4 110.4



Abundance Ion 122.00 (121.70 to 122.70): E
3000
Ion 105.00 (104.70 to 105.70): E
Ion 77.00 (76.70 to 77.70): BF1

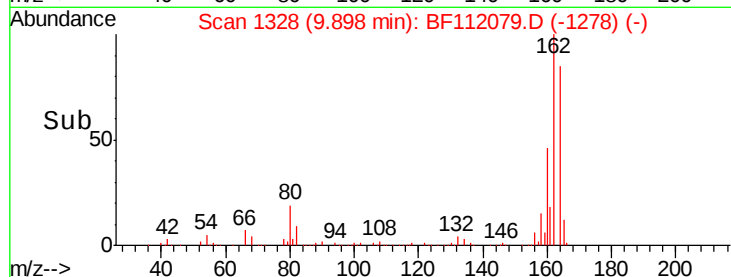
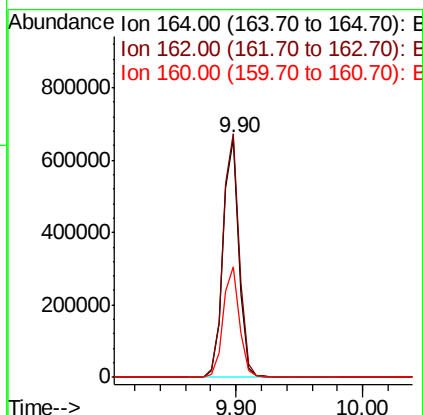
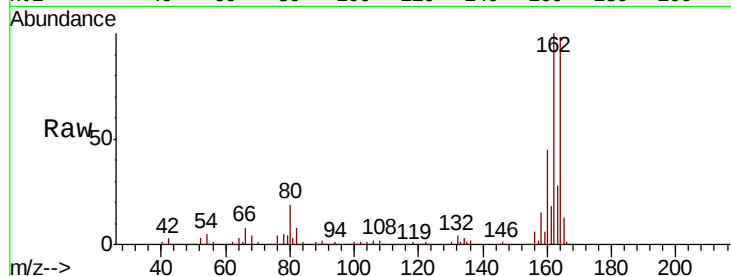




#39
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.90 min Scan# 1328
 Delta R.T. -0.01 min
 Lab File: BF112079.D
 Acq: 17 Jan 2019 10:26

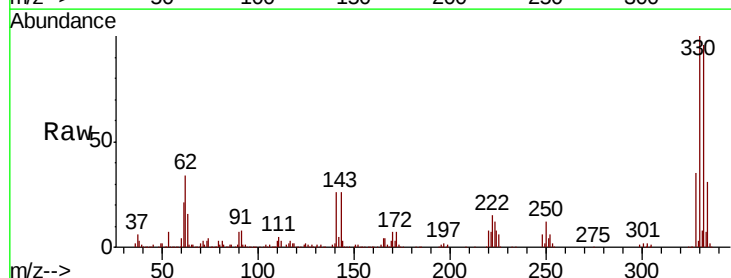
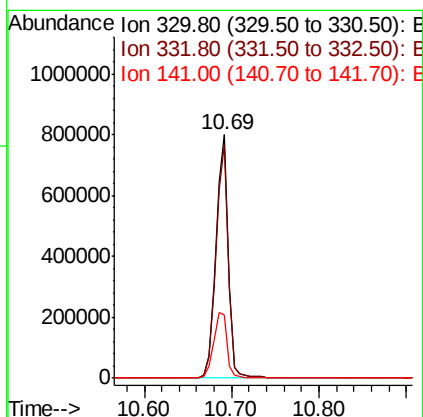
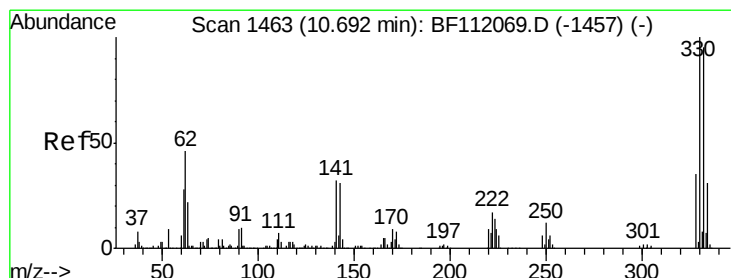
Instrument :
 BNA_F
 ClientSampled :
 TP-4

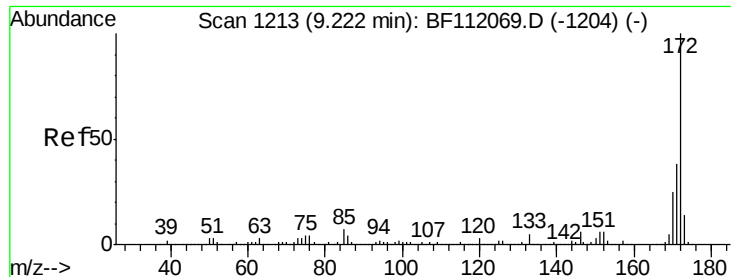
Tot Ion:164 Resp: 575806
 Ion Ratio Lower Upper
 164 100
 162 101.9 82.2 123.4
 160 46.3 36.2 54.4



#42
 2,4,6-Tribromophenol
 Concen: 127.111 ng
 RT: 10.69 min Scan# 1463
 Delta R.T. -0.00 min
 Lab File: BF112079.D
 Acq: 17 Jan 2019 10:26

Tgt Ion:330 Resp: 789576
 Ion Ratio Lower Upper
 330 100
 332 95.9 76.6 114.8
 141 29.5 24.3 36.5

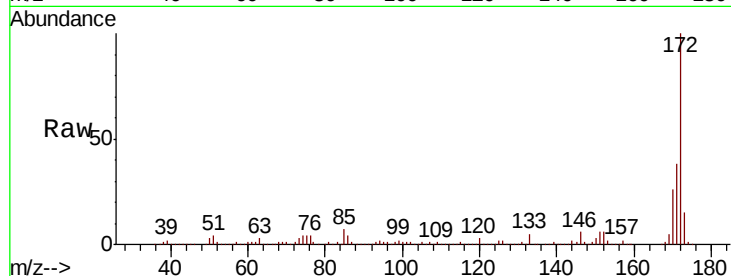




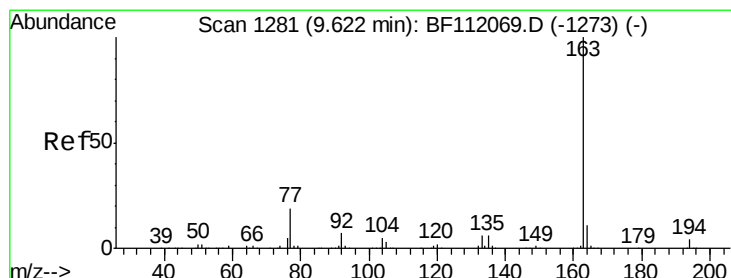
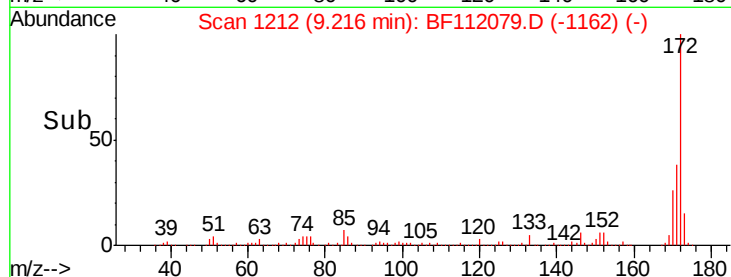
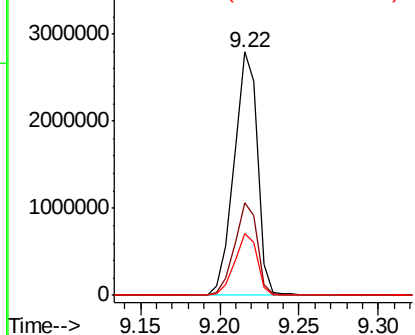
#45
2-Fluorobiphenyl
Concen: 73.002 ng
RT: 9.22 min Scan# 1212
Delta R.T. -0.01 min
Lab File: BF112079.D
Acq: 17 Jan 2019 10:26

Instrument :
BNA_F
ClientSampleId :
TP-4

Tot Ion:172 Resp: 2867095
Ion Ratio Lower Upper
172 100
171 38.2 30.5 45.7
170 25.5 20.2 30.4

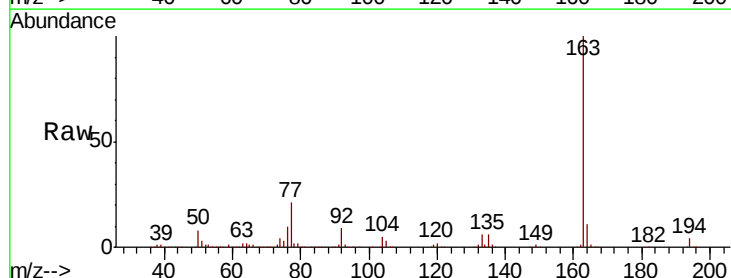


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

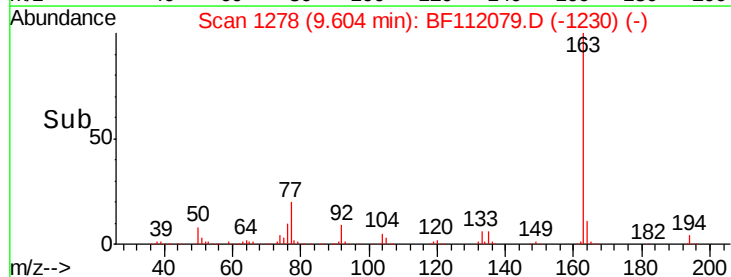
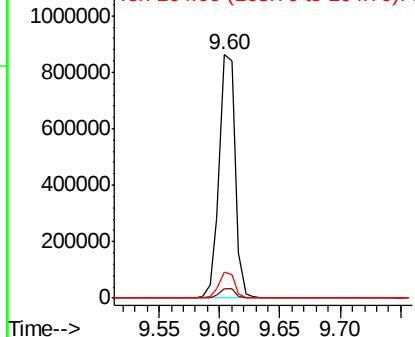


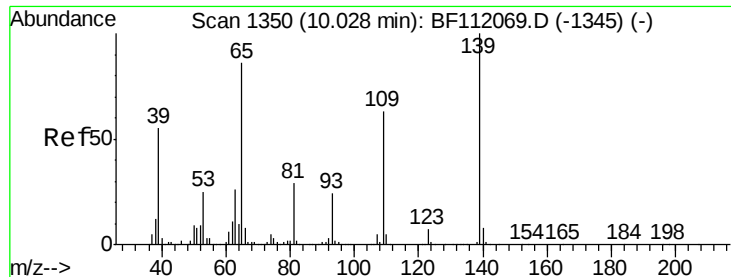
#50
Dimethylphthalate
Concen: 18.794 ng
RT: 9.60 min Scan# 1278
Delta R.T. -0.02 min
Lab File: BF112079.D
Acq: 17 Jan 2019 10:26

Tgt Ion:163 Resp: 789184
Ion Ratio Lower Upper
163 100
194 3.8 3.3 4.9
164 10.7 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

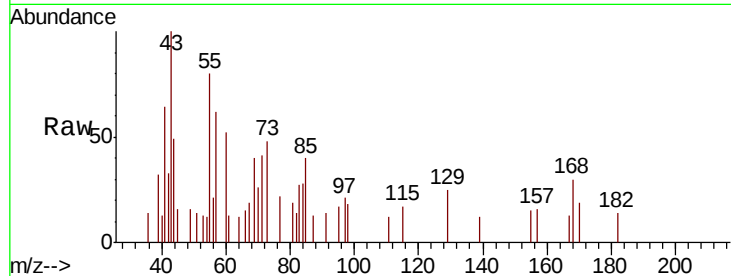




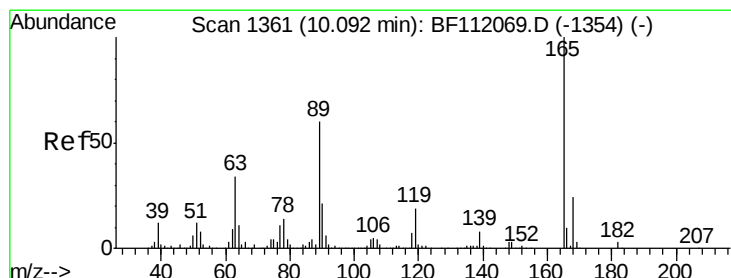
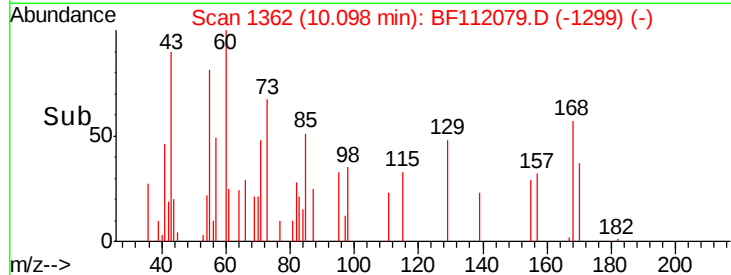
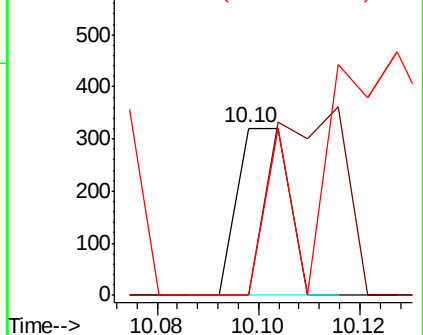
#56
4-Nitrophenol
Concen: 5.686 ng
RT: 10.10 min Scan# 1362
Delta R.T. 0.07 min
Lab File: BF112079.D
Acq: 17 Jan 2019 10:26

Instrument :
BNA_F
ClientSampleId :
TP-4

Tot Ion:139 Resp: 226
Ion Ratio Lower Upper
139 100
109 0.0 42.8 82.8#
65 0.0 66.1 106.1#

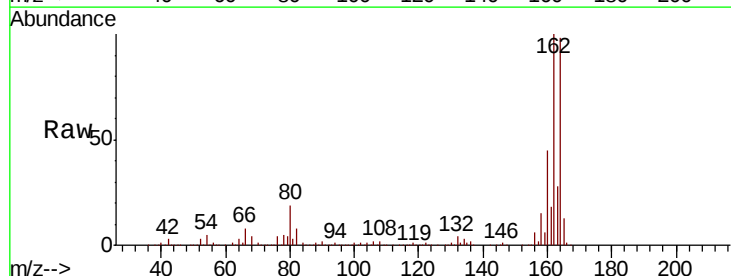


Abundance Ion 139.00 (138.70 to 139.70): E
Ion 109.00 (108.70 to 109.70): E
Ion 65.00 (64.70 to 65.70): BF1

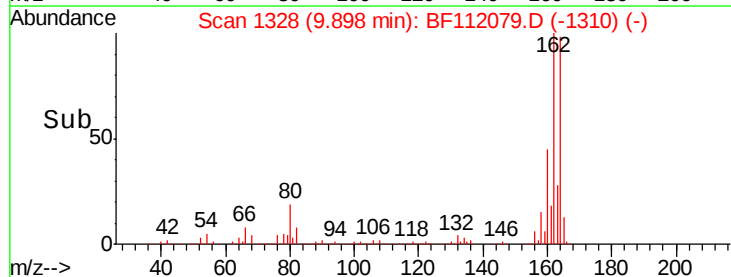
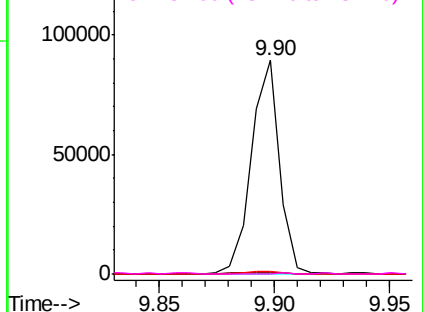


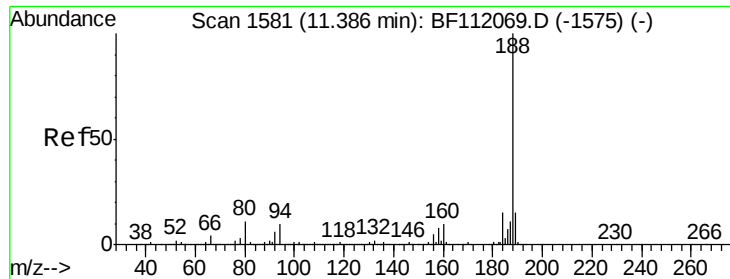
#57
2,4-Dinitrotoluene
Concen: 10.965 ng
RT: 9.90 min Scan# 1328
Delta R.T. -0.19 min
Lab File: BF112079.D
Acq: 17 Jan 2019 10:26

Tgt Ion:165 Resp: 75964
Ion Ratio Lower Upper
165 100
63 0.9 27.9 41.9#
89 1.2 47.9 71.9#
182 0.0 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

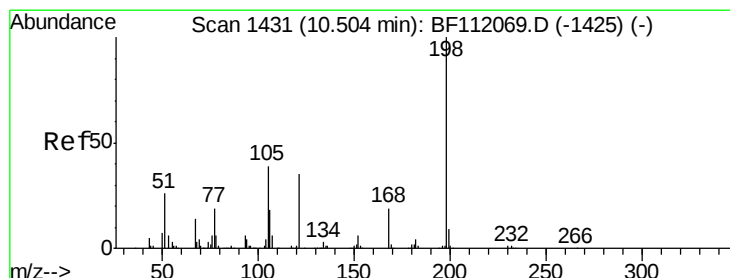
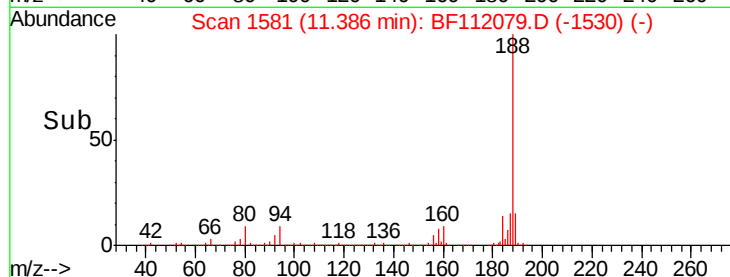
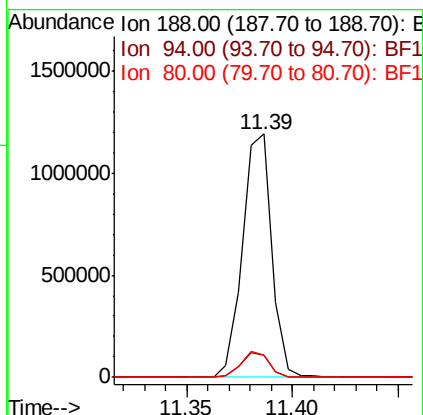
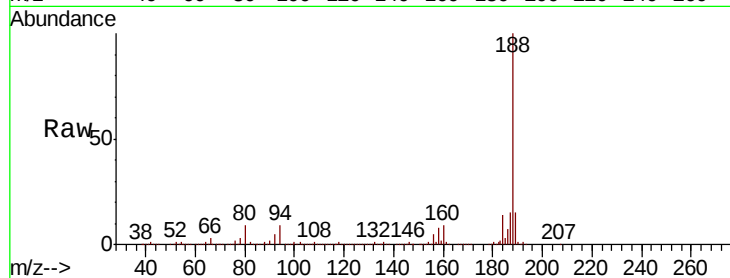




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.39 min Scan# 1581
Delta R.T. -0.00 min
Lab File: BF112079.D
Acq: 17 Jan 2019 10:26

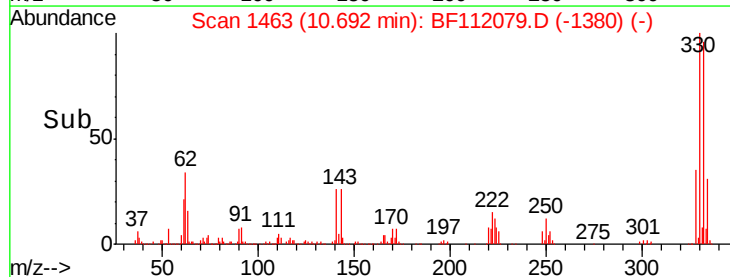
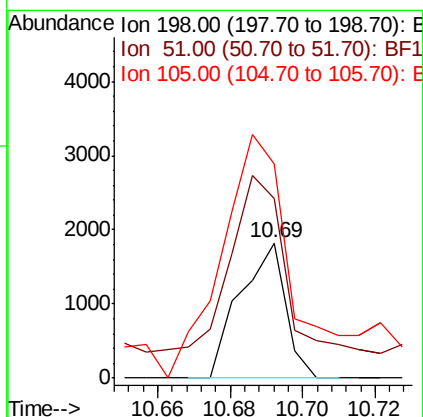
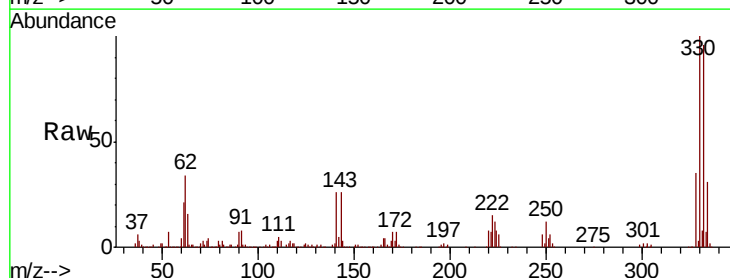
Instrument :
BNA_F
ClientSampleId :
TP-4

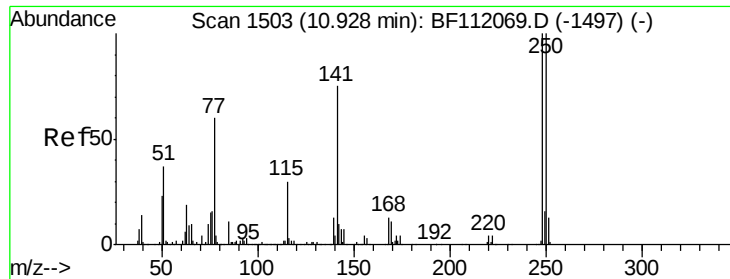
Tot Ion:188 Resp: 1143100
Ion Ratio Lower Upper
188 100
94 9.0 8.2 12.2
80 9.0 8.9 13.3



#65
4,6-Dinitro-2-methylphenol
Concen: 10.336 ng
RT: 10.69 min Scan# 1463
Delta R.T. 0.19 min
Lab File: BF112079.D
Acq: 17 Jan 2019 10:26

Tgt Ion:198 Resp: 1607
Ion Ratio Lower Upper
198 100
51 133.2 17.2 57.2#
105 158.5 21.9 61.9#

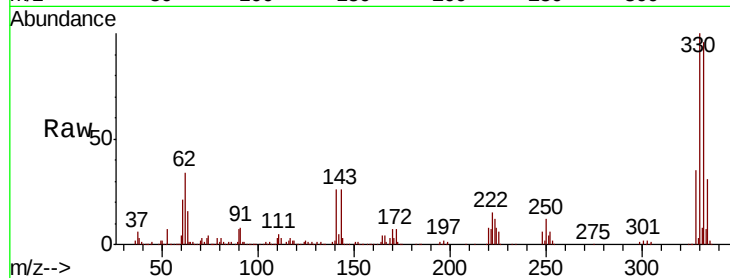




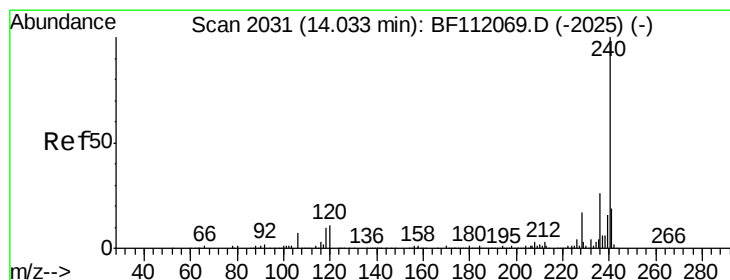
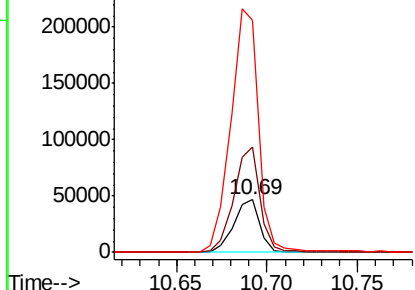
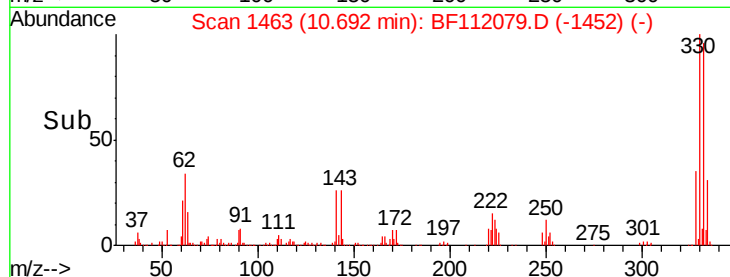
#67
 4-Bromophenyl-phenylether
 Concen: 3.539 ng
 RT: 10.69 min Scan# 1463
 Delta R.T. -0.24 min
 Lab File: BF112079.D
 Acq: 17 Jan 2019 10:26

Instrument :
 BNA_F
 ClientSampled :
 TP-4

Tot Ion:248 Resp: 46992
 Ion Ratio Lower Upper
 248 100
 250 201.1 79.7 119.5#
 141 440.2 60.3 90.5#

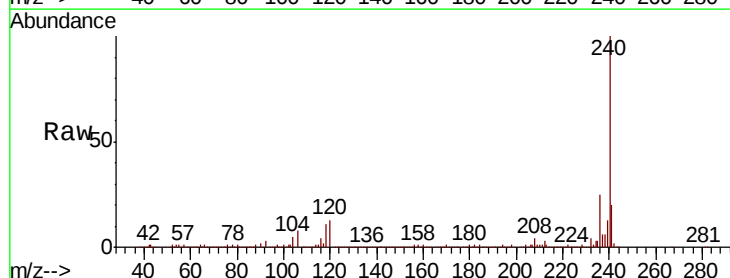


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

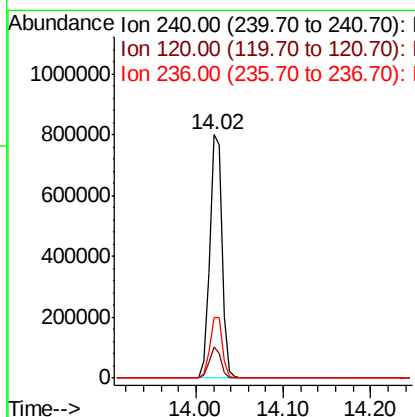
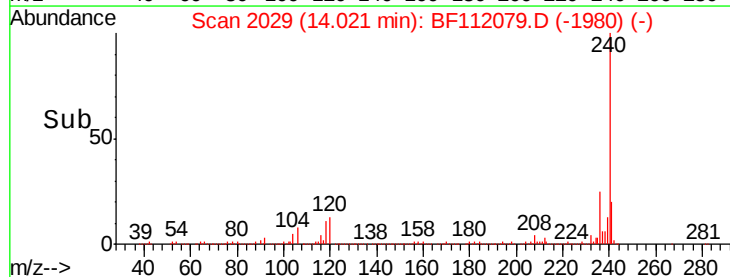


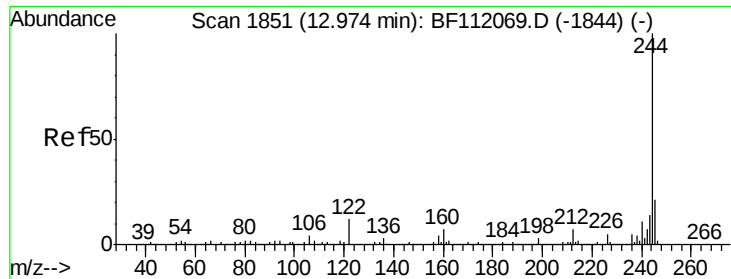
#76
 Chrysene-d12
 Concen: 20.000 ng
 RT: 14.02 min Scan# 2029
 Delta R.T. -0.01 min
 Lab File: BF112079.D
 Acq: 17 Jan 2019 10:26

Tgt Ion:240 Resp: 786034
 Ion Ratio Lower Upper
 240 100
 120 12.7 9.0 13.6
 236 25.0 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: 84.187 ng

RT: 12.97 min Scan# 1851

Delta R.T. -0.00 min

Lab File: BF112079.D

Acq: 17 Jan 2019 10:26

Instrument :

BNA_F

ClientSampleId :

TP-4

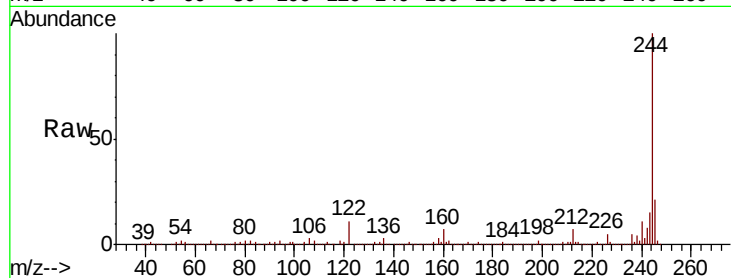
Tot Ion:244 Resp: 3110584

Ion Ratio Lower Upper

244 100

212 7.3 5.9 8.9

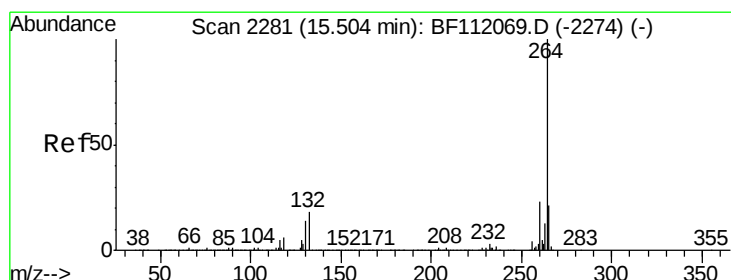
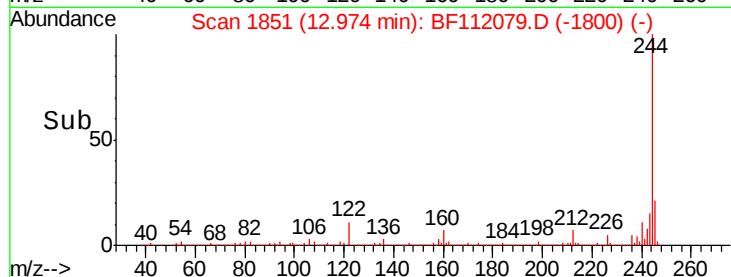
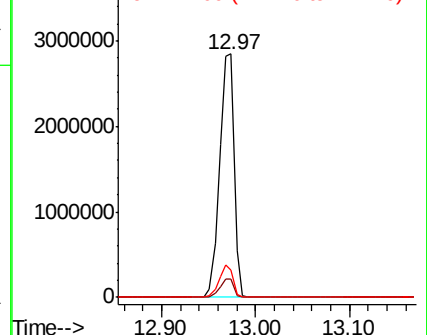
122 11.0 9.8 14.6



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: 15.50 min Scan# 2280

Delta R.T. -0.01 min

Lab File: BF112079.D

Acq: 17 Jan 2019 10:26

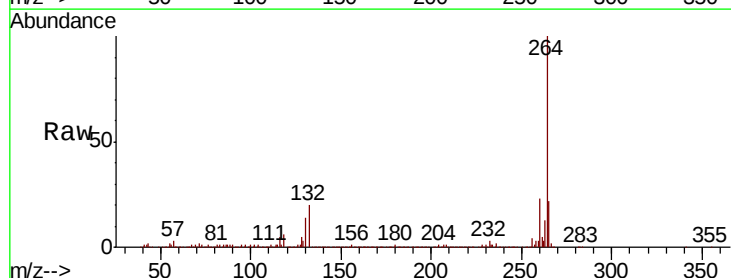
Tgt Ion:264 Resp: 663190

Ion Ratio Lower Upper

264 100

260 23.3 18.2 27.2

265 22.0 17.0 25.4



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

