

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF080619\
 Data File : BF116003.D
 Acq On : 6 Aug 2019 10:42
 Operator : HP/JU
 Sample : PB121973BL
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Aug 07 01:10:57 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF073019.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Jul 31 15:31:51 2019
 Response via : Initial Calibration

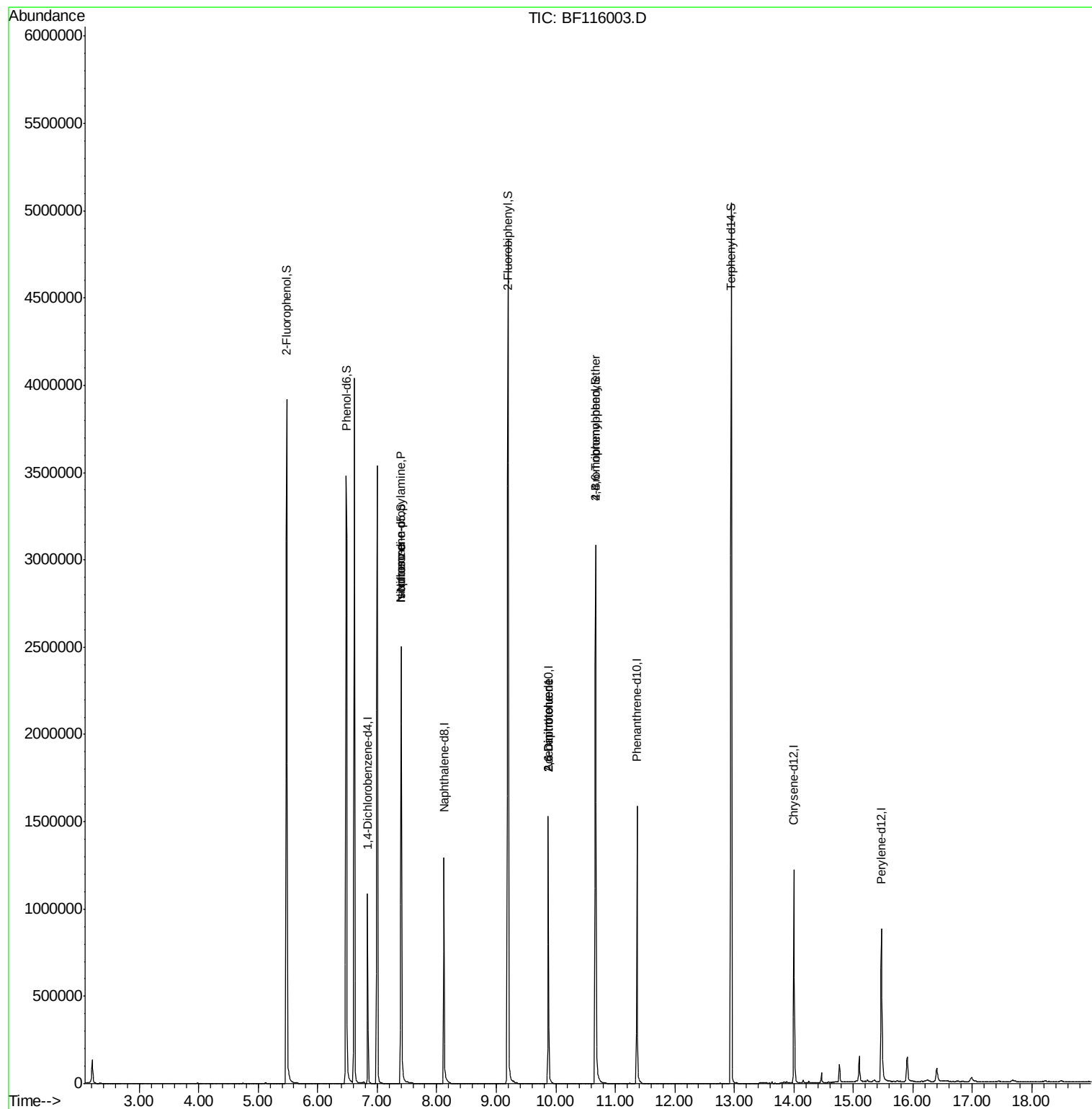
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.84	152	168576	20.00	ng	-0.01
21) Naphthalene-d8	8.12	136	648592	20.00	ng	-0.01
39) Acenaphthene-d10	9.87	164	344494	20.00	ng	-0.02
64) Phenanthrene-d10	11.36	188	624750	20.00	ng	-0.02
76) Chrysene-d12	14.00	240	461518	20.00	ng	-0.02
87) Perylene-d12	15.47	264	427537	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.48	112	1227526	121.90	ng	0.01
7) Phenol-d6	6.48	99	1622172	127.68	ng	0.00
23) Nitrobenzene-d5	7.40	82	1079619	96.08	ng	-0.01
42) 2,4,6-Tribromophenol	10.67	330	460368	137.84	ng	-0.02
45) 2-Fluorobiphenyl	9.20	172	1819356	98.92	ng	-0.02
79) Terphenyl-d14	12.95	244	2040766	93.18	ng	-0.02
Target Compounds						
19) n-Nitroso-di-n-propylamine	7.40	70	144281	18.326	ng	# 77
25) Isophorone	7.40	82	1079613	50.249	ng	# 66
51) 2,6-Dinitrotoluene	9.87	165	44752	8.779	ng	# 28
57) 2,4-Dinitrotoluene	9.87	165	44753	6.594	ng	# 24
67) 4-Bromophenyl-phenylether	10.67	248	27916	4.174	ng	# 1

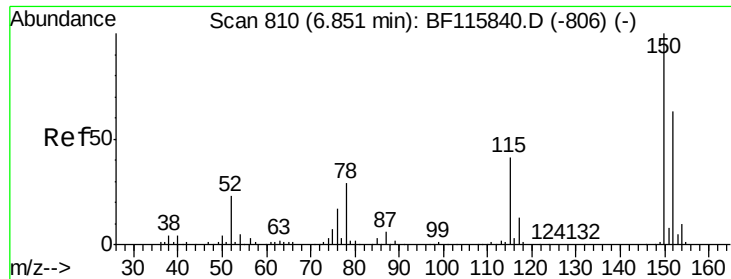
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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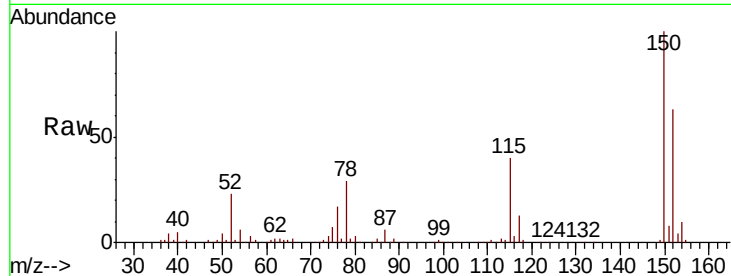


#1

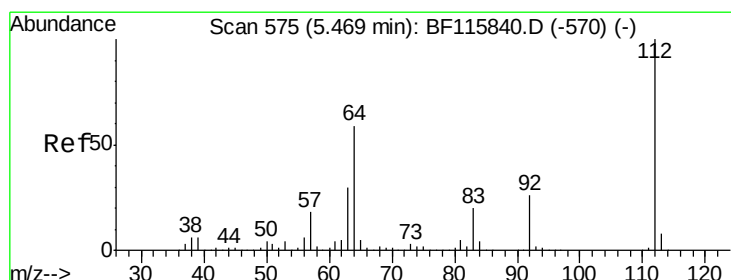
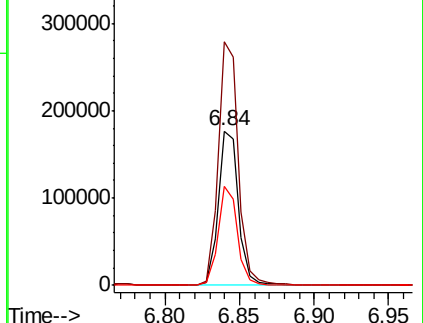
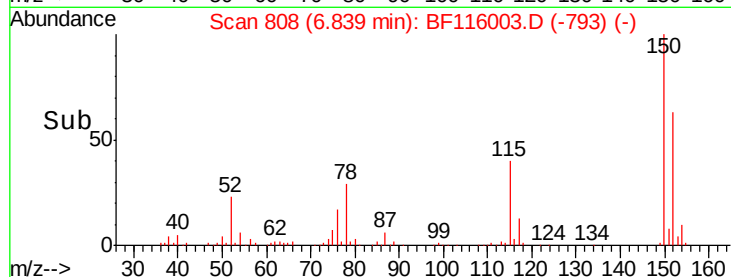
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.84 min Scan# 808
Delta R.T. -0.01 min
Lab File: BF116003.D
Acq: 6 Aug 2019 10:42

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 168576
Ion Ratio Lower Upper
152 100
150 157.6 127.4 191.0
115 63.7 51.8 77.8



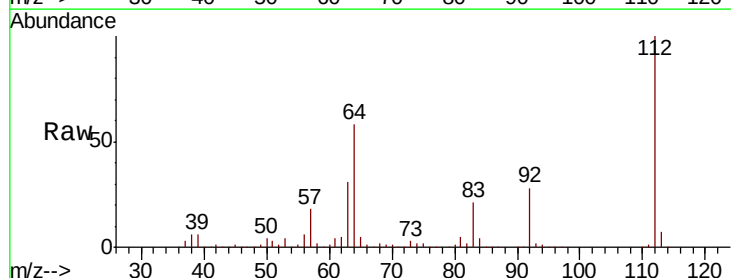
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



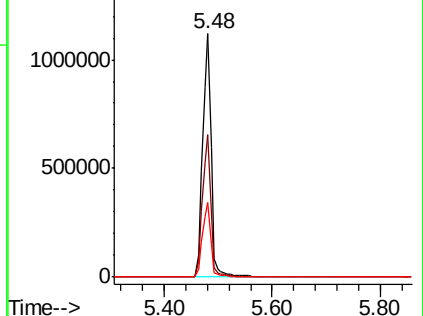
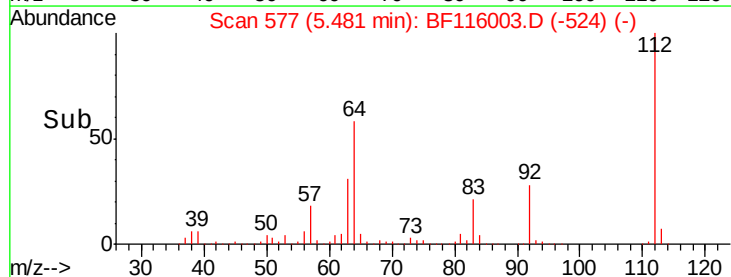
#5

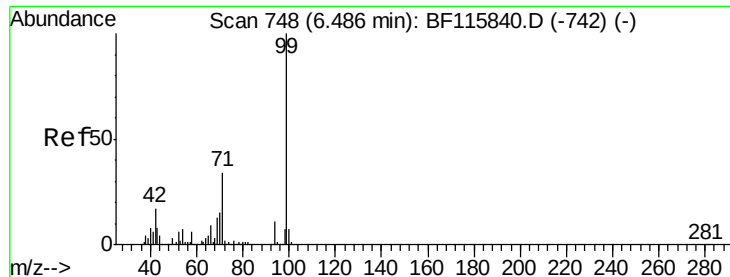
2-Fluorophenol
Concen: 121.901 ng
RT: 5.48 min Scan# 577
Delta R.T. 0.01 min
Lab File: BF116003.D
Acq: 6 Aug 2019 10:42

Tgt Ion:112 Resp: 1227526
Ion Ratio Lower Upper
112 100
64 58.3 46.8 70.2
63 30.5 24.2 36.2



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: 127.681 ng

RT: 6.48 min Scan# 747

Delta R.T. -0.01 min

Lab File: BF116003.D

Acq: 6 Aug 2019 10:42

Instrument :

BNA_F

ClientSampleId :

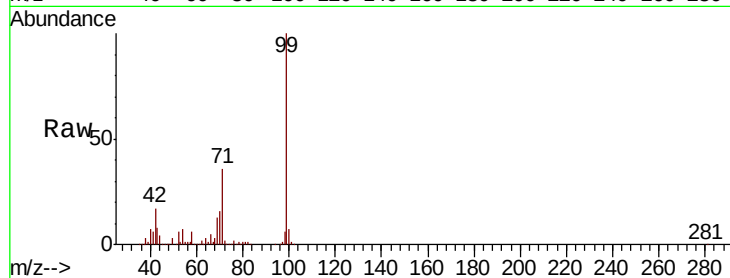
Tot Ion: 99 Resp: 1622172

Ion Ratio Lower Upper

99 100

42 17.4 13.8 20.6

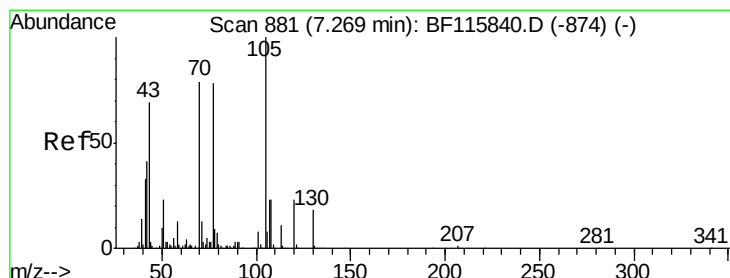
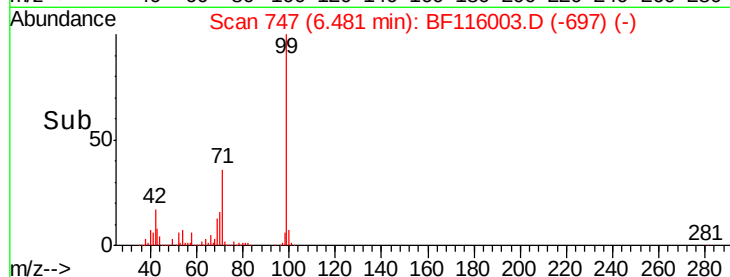
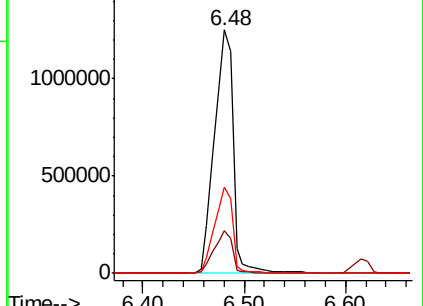
71 35.5 27.1 40.7



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: 18.326 ng

RT: 7.40 min Scan# 904

Delta R.T. 0.14 min

Lab File: BF116003.D

Acq: 6 Aug 2019 10:42

Tgt Ion: 70 Resp: 144281

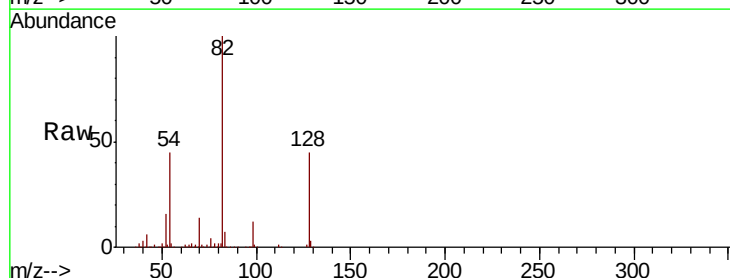
Ion Ratio Lower Upper

70 100

42 42.3 41.8 62.8

101 0.0 7.7 11.5#

130 2.1 17.8 26.6#

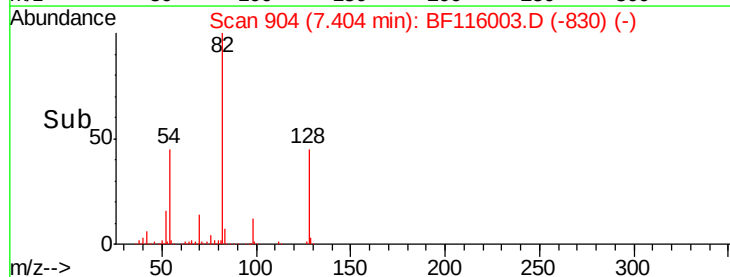
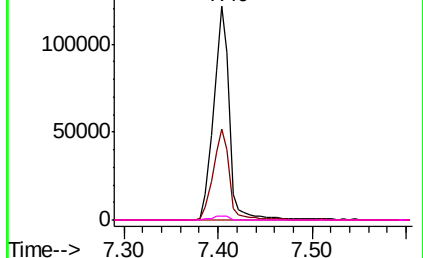


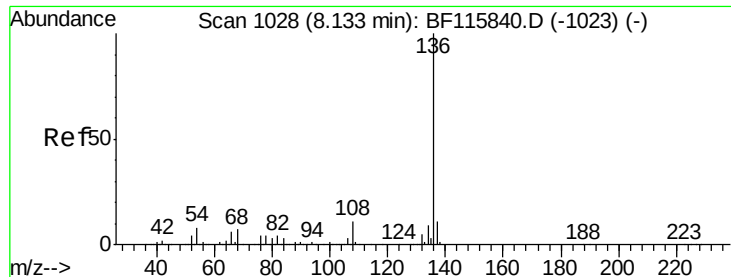
Abundance Ion 70.00 (69.70 to 70.70): BF1

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

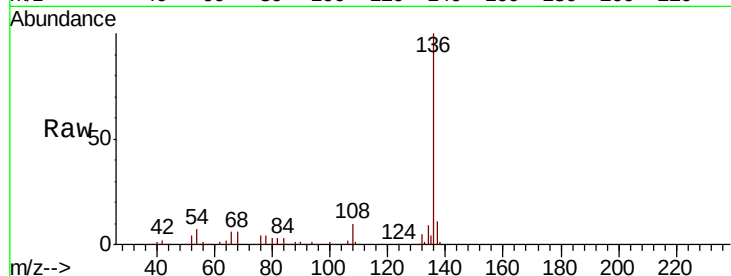




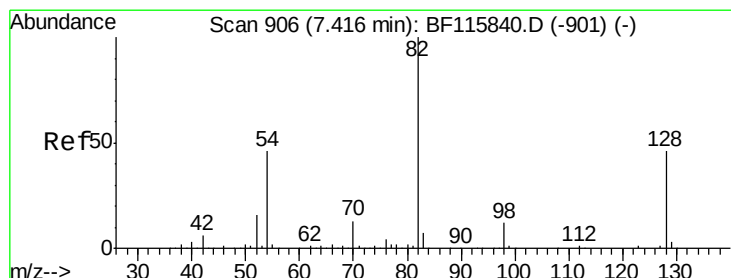
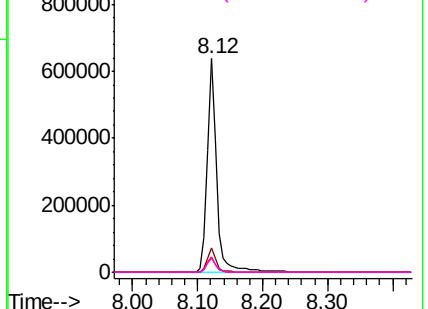
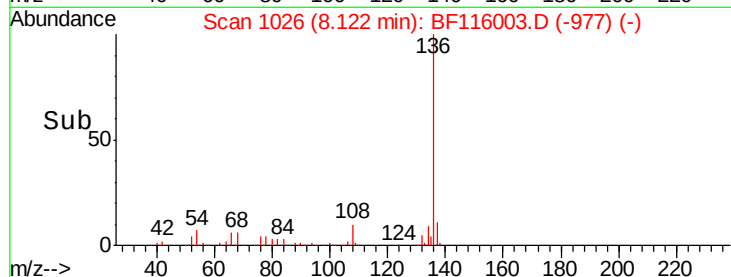
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.12 min Scan# 1026
Delta R.T. -0.01 min
Lab File: BF116003.D
Acq: 6 Aug 2019 10:42

Instrument :
BNA_F
ClientSampleId :

Tot Ion:136	Resp:	648592
Ion	Ratio	Lower Upper
136	100	
137	11.1	9.1 13.7
54	7.1	6.1 9.1
68	6.4	5.4 8.2

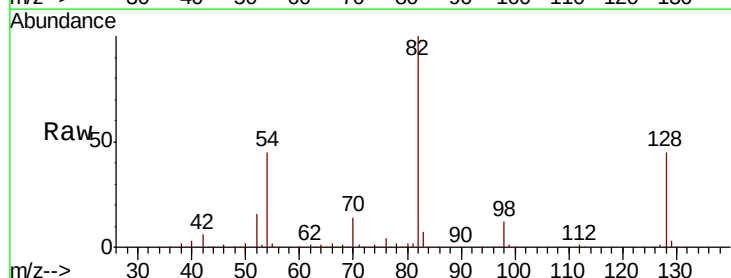


Abundance Ion 136.00 (135.70 to 136.70): E
1000000
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF1
Ion 68.00 (67.70 to 68.70): BF1

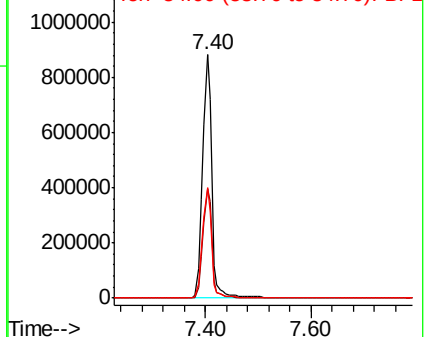
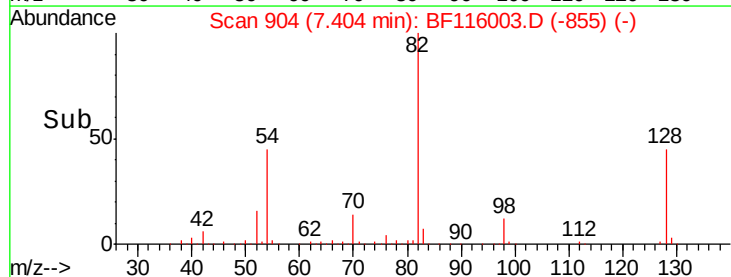


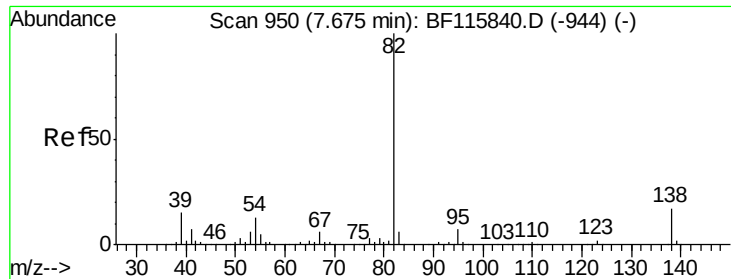
#23
Nitrobenzene-d5
Concen: 96.083 ng
RT: 7.40 min Scan# 904
Delta R.T. -0.01 min
Lab File: BF116003.D
Acq: 6 Aug 2019 10:42

Tgt Ion: 82	Resp:	1079619
Ion	Ratio	Lower Upper
82	100	
128	44.8	36.6 55.0
54	45.2	36.6 55.0



Abundance Ion 82.00 (81.70 to 82.70): BF1
1200000
Ion 128.00 (127.70 to 128.70): E
Ion 54.00 (53.70 to 54.70): BF1





#25

Isophorone

Concen: 50.249 ng

RT: 7.40 min Scan# 904

Delta R.T. -0.27 min

Lab File: BF116003.D

Acq: 6 Aug 2019 10:42

Instrument :

BNA_F

ClientSampled :

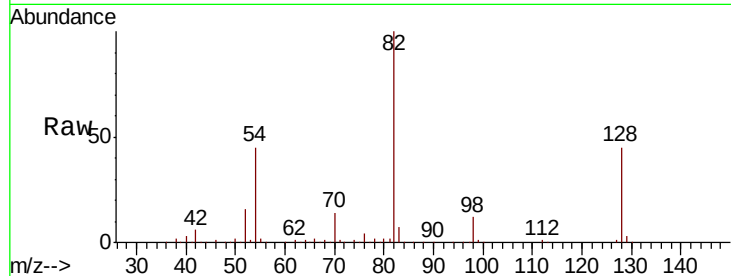
Tot Ion: 82 Resp: 1079613

Ion Ratio Lower Upper

82 100

95 0.0 5.5 8.3#

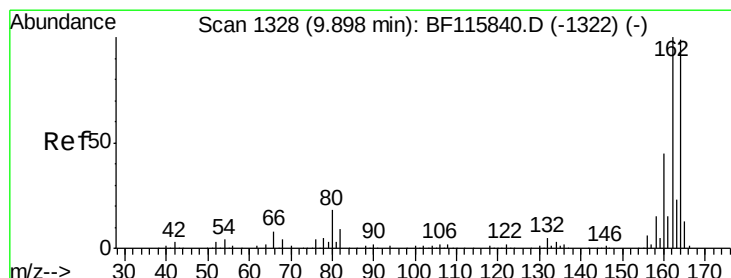
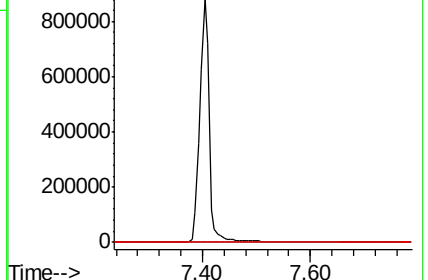
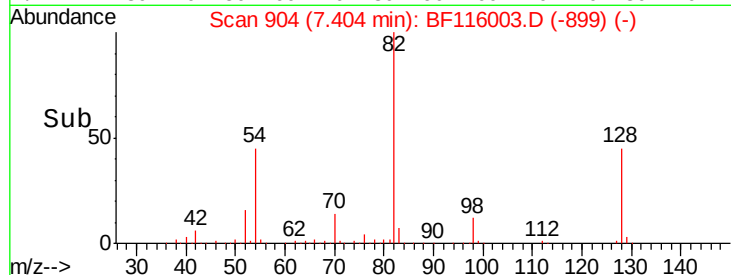
138 0.0 13.9 20.9#



Abundance Ion 82.00 (81.70 to 82.70): BF116003.D (-899) (-)

Ion 95.00 (94.70 to 95.70): BF116003.D (-899) (-)

Ion 138.00 (137.70 to 138.70): BF116003.D (-899) (-)



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.87 min Scan# 1324

Delta R.T. -0.02 min

Lab File: BF116003.D

Acq: 6 Aug 2019 10:42

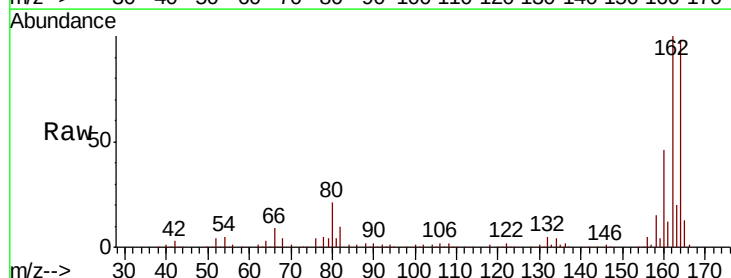
Tgt Ion: 164 Resp: 344494

Ion Ratio Lower Upper

164 100

162 102.0 80.8 121.2

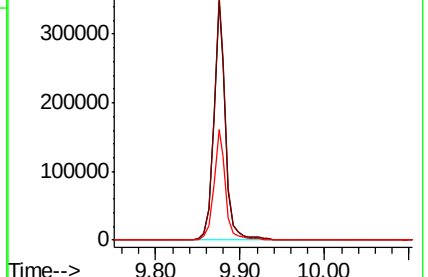
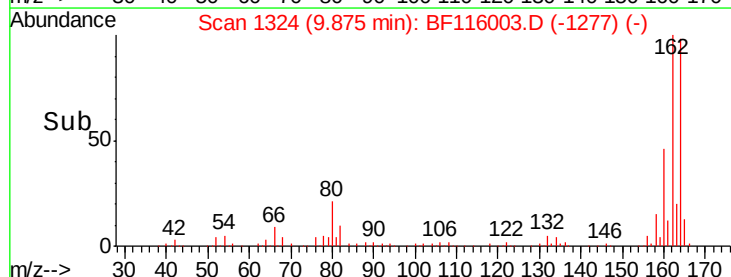
160 46.5 36.2 54.4

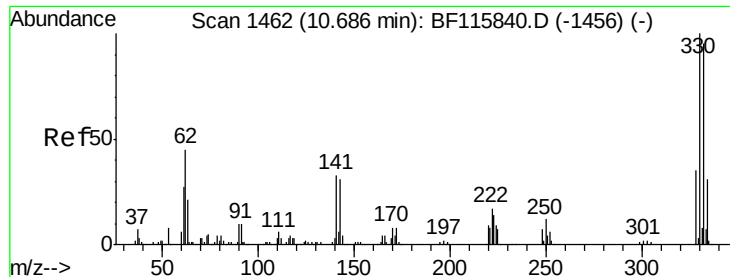


Abundance Ion 164.00 (163.70 to 164.70): BF116003.D (-1277) (-)

Ion 162.00 (161.70 to 162.70): BF116003.D (-1277) (-)

Ion 160.00 (159.70 to 160.70): BF116003.D (-1277) (-)





#42

2,4,6-Tribromophenol

Concen: 137.836 ng

RT: 10.67 min Scan# 1459

Delta R.T. -0.02 min

Lab File: BF116003.D

Acq: 6 Aug 2019 10:42

Instrument :

BNA_F

ClientSampled :

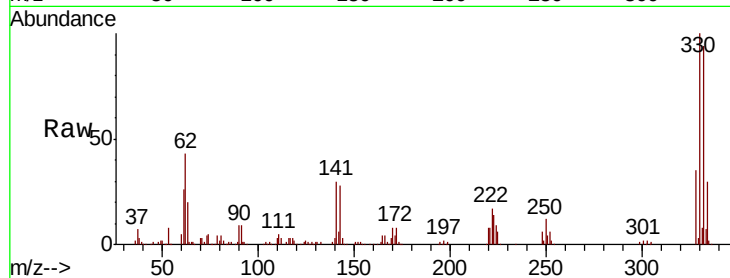
Tot Ion:330 Resp: 460368

Ion Ratio Lower Upper

330 100

332 95.3 77.7 116.5

141 32.6 28.1 42.1

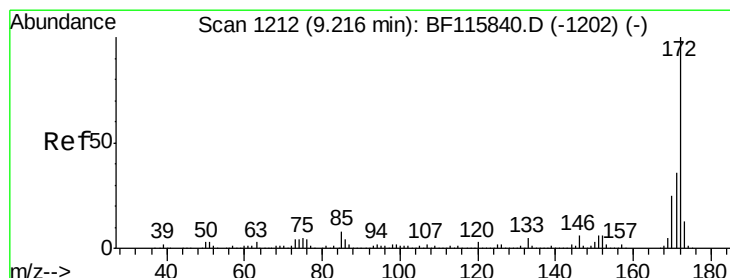
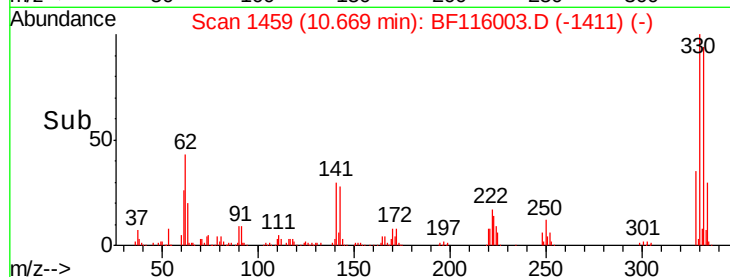
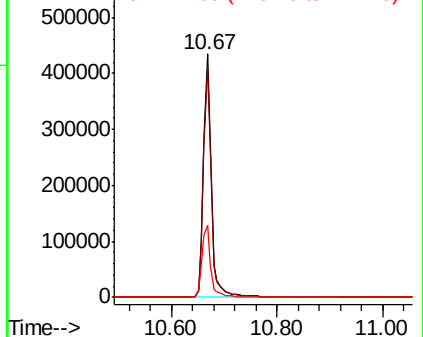


Abundance

Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



#45

2-Fluorobiphenyl

Concen: 98.922 ng

RT: 9.20 min Scan# 1209

Delta R.T. -0.02 min

Lab File: BF116003.D

Acq: 6 Aug 2019 10:42

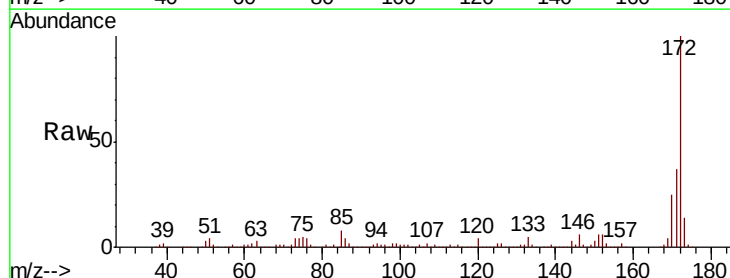
Tgt Ion:172 Resp: 1819356

Ion Ratio Lower Upper

172 100

171 37.1 29.1 43.7

170 25.3 20.1 30.1

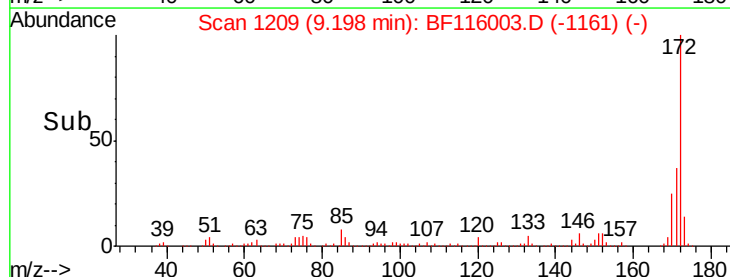
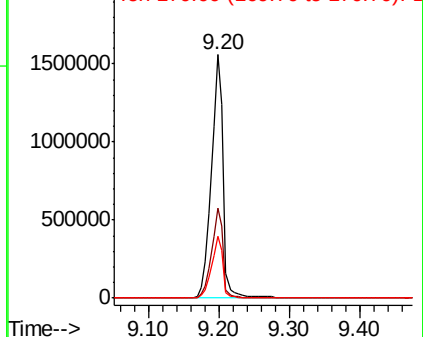


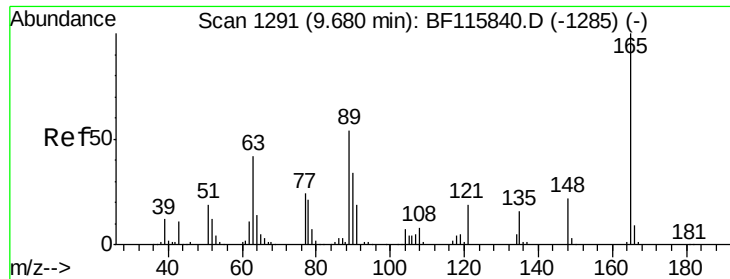
Abundance

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

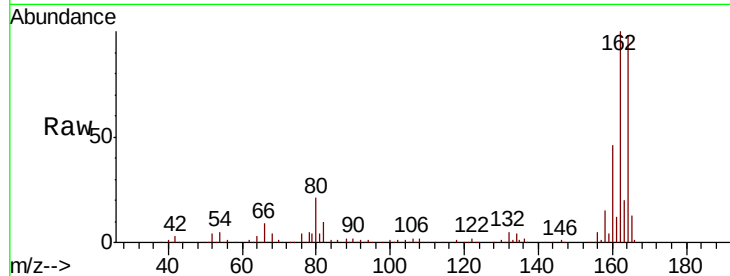




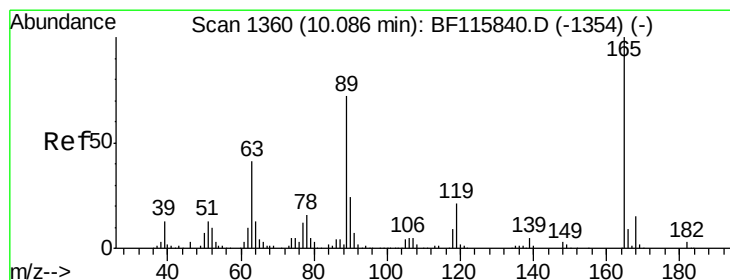
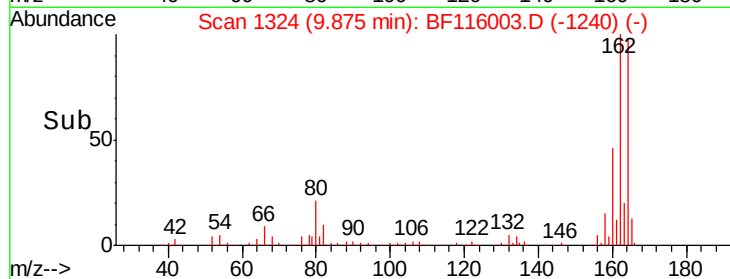
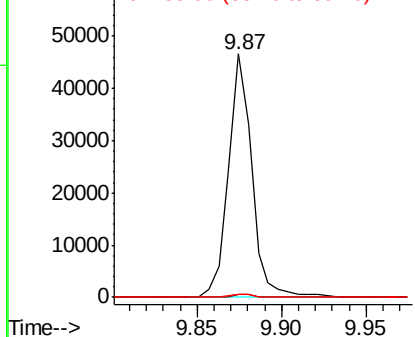
#51
 2,6-Dinitrotoluene
 Concen: 8.779 ng
 RT: 9.87 min Scan# 1324
 Delta R.T. 0.19 min
 Lab File: BF116003.D
 Acq: 6 Aug 2019 10:42

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
165	100		
63	1.1	39.4	59.2#
89	1.2	43.0	64.6#



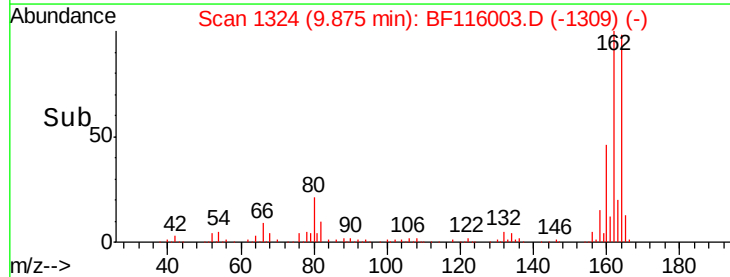
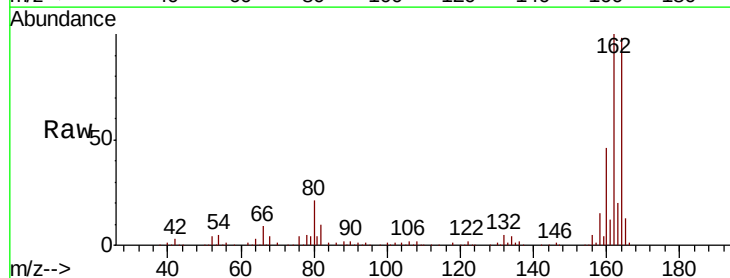
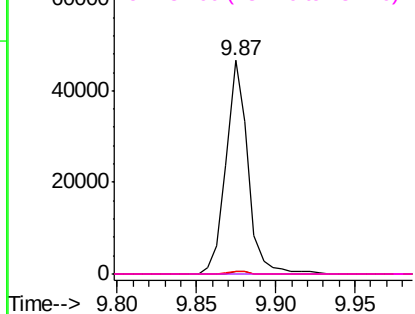
Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BF1
 Ion 89.00 (88.70 to 89.70): BF1

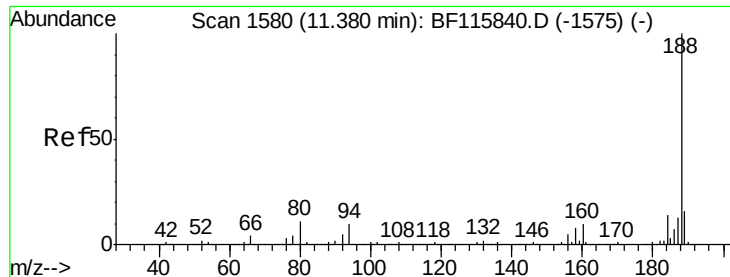


#57
 2,4-Dinitrotoluene
 Concen: 6.594 ng
 RT: 9.87 min Scan# 1324
 Delta R.T. -0.21 min
 Lab File: BF116003.D
 Acq: 6 Aug 2019 10:42

Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.1	33.2	49.8#
89	1.2	57.3	85.9#
182	0.0	2.1	3.1#

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: 11.36 min Scan# 1577

Delta R.T. -0.02 min

Lab File: BF116003.D

Acq: 6 Aug 2019 10:42

Instrument :

BNA_F

ClientSampleId :

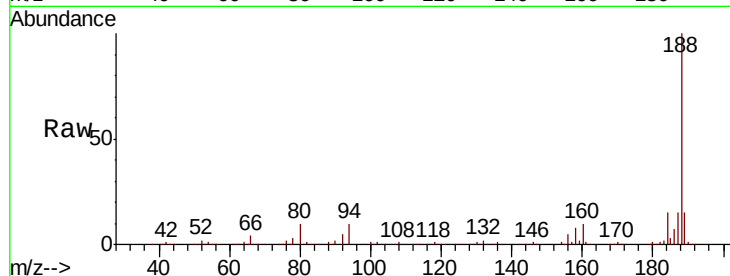
Tot Ion:188 Resp: 624750

Ion Ratio Lower Upper

188 100

94 9.6 8.0 12.0

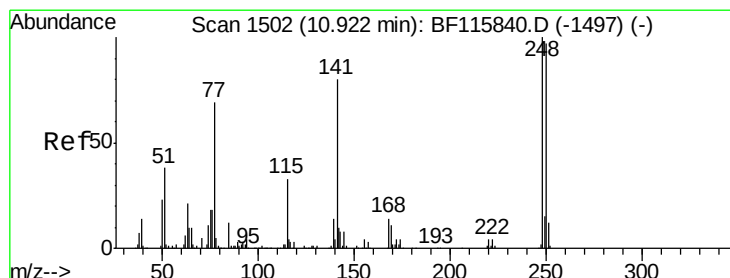
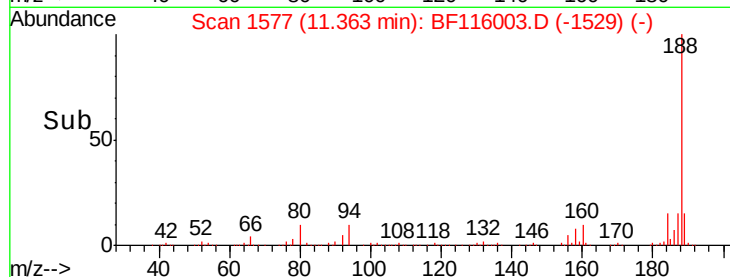
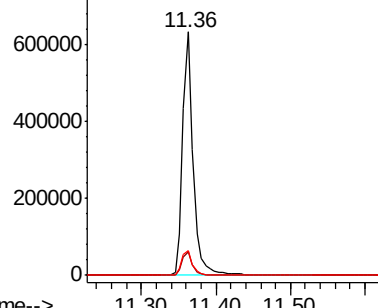
80 10.1 8.6 12.8



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



#67

4-Bromophenyl-phenylether

Concen: 4.174 ng

RT: 10.67 min Scan# 1459

Delta R.T. -0.25 min

Lab File: BF116003.D

Acq: 6 Aug 2019 10:42

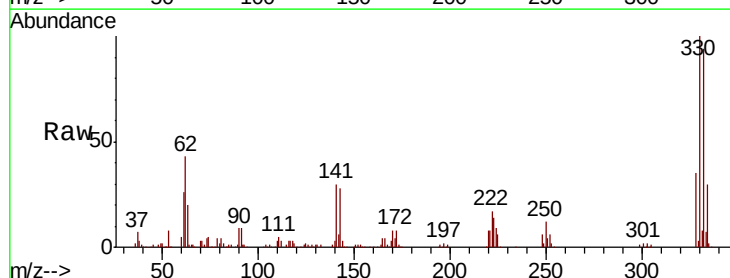
Tgt Ion:248 Resp: 27916

Ion Ratio Lower Upper

248 100

250 202.5 77.8 116.6#

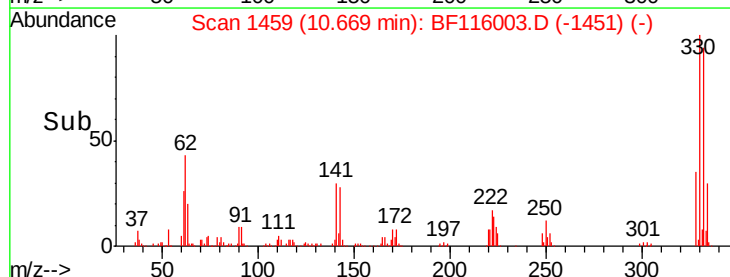
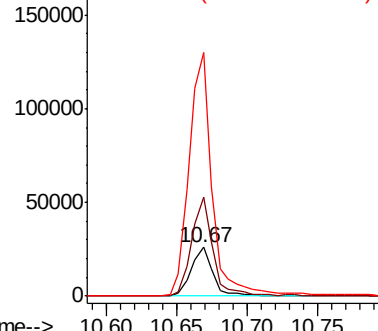
141 497.5 64.3 96.5#

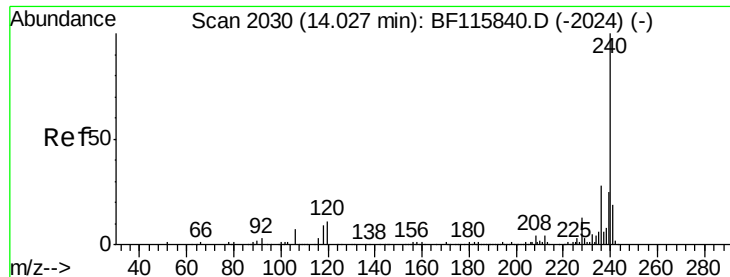


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E

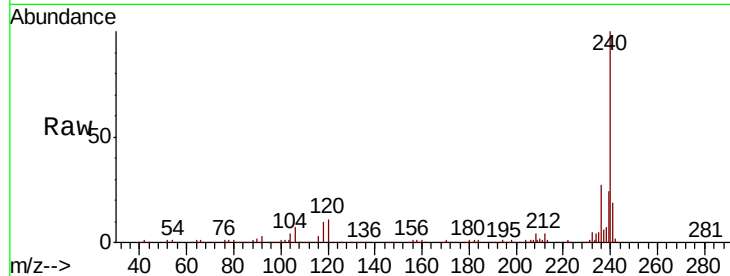




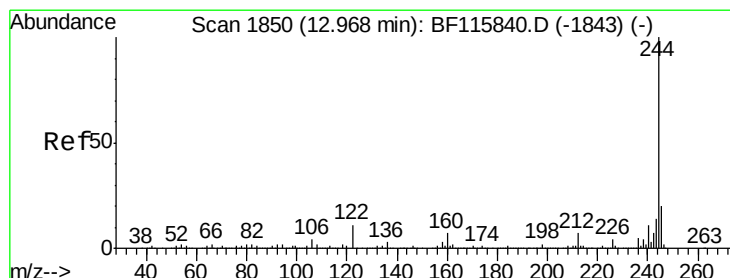
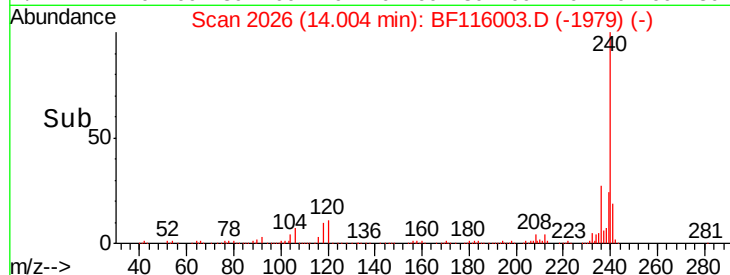
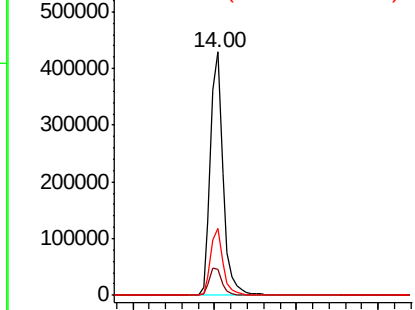
#76
 Chrvsene-d12
 Concen: 20.000 ng
 RT: 14.00 min Scan# 2026
 Delta R.T. -0.02 min
 Lab File: BF116003.D
 Acq: 6 Aug 2019 10:42

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:240 Resp: 461518
 Ion Ratio Lower Upper
 240 100
 120 10.9 8.5 12.7
 236 27.3 22.2 33.2

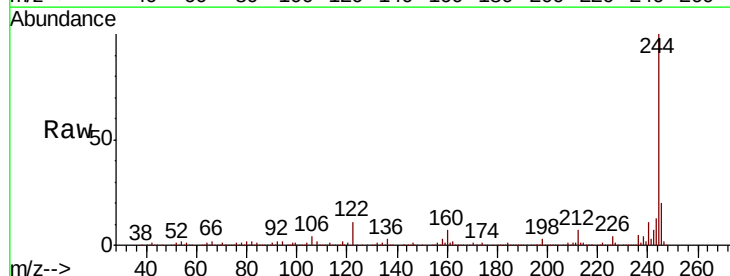


Abundance Ion 240.00 (239.70 to 240.70): E
 Ion 120.00 (119.70 to 120.70): E
 Ion 236.00 (235.70 to 236.70): E

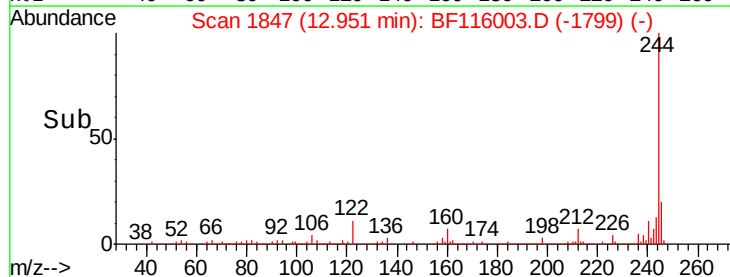
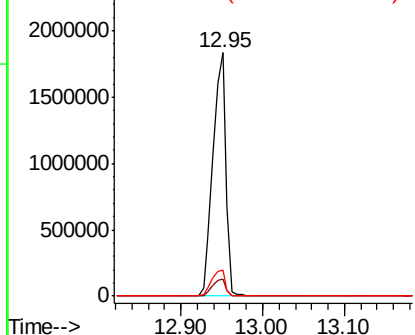


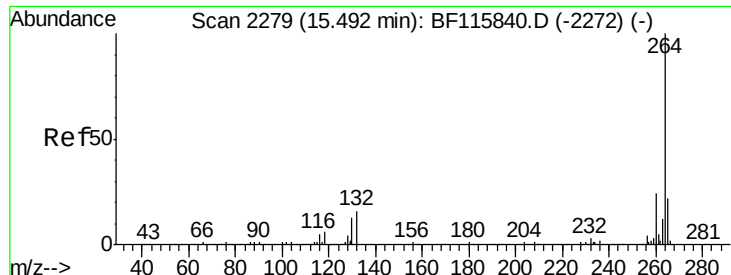
#79
 Terphenyl-d14
 Concen: 93.176 ng
 RT: 12.95 min Scan# 1847
 Delta R.T. -0.02 min
 Lab File: BF116003.D
 Acq: 6 Aug 2019 10:42

Tgt Ion:244 Resp: 2040766
 Ion Ratio Lower Upper
 244 100
 212 7.2 5.6 8.4
 122 10.6 8.6 13.0



Abundance Ion 244.00 (243.70 to 244.70): E
 Ion 212.00 (211.70 to 212.70): E
 Ion 122.00 (121.70 to 122.70): E





#87
Pervlene-d12
Concen: 20.000 ng
RT: 15.47 min Scan# 2275
Delta R.T. -0.02 min
Lab File: BF116003.D
Acq: 6 Aug 2019 10:42

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
264	100		
260	24.1	19.4	29.2
265	21.9	17.5	26.3

