

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF080619\
 Data File : BF116004.D
 Acq On : 6 Aug 2019 11:09
 Operator : HP/JU
 Sample : PB121973TB
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Aug 07 01:11:08 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

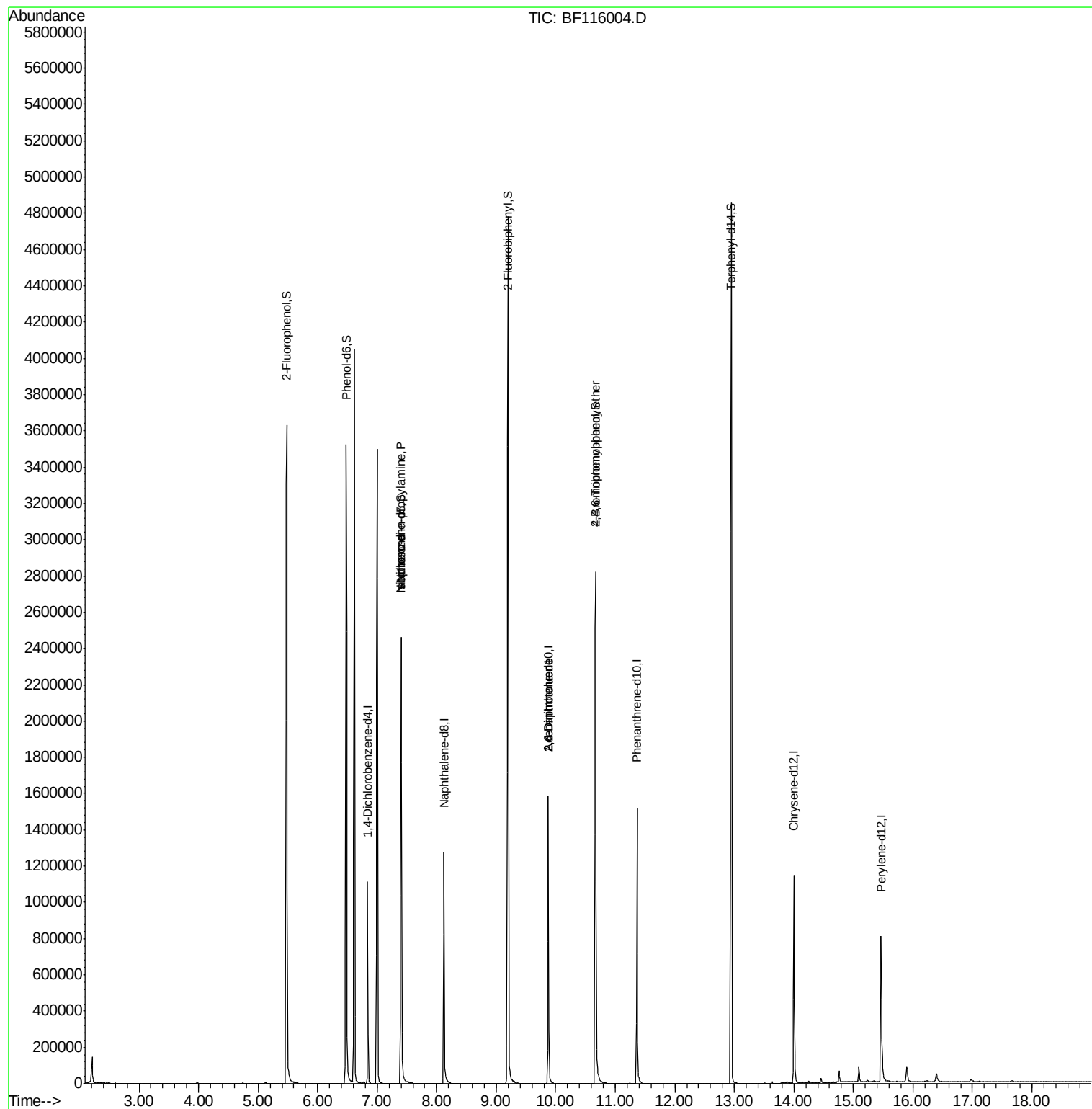
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.84	152	167147	20.00	ng	-0.01
21) Naphthalene-d8	8.12	136	646557	20.00	ng	-0.01
39) Acenaphthene-d10	9.87	164	343468	20.00	ng	-0.02
64) Phenanthrene-d10	11.36	188	610918	20.00	ng	-0.02
76) Chrysene-d12	14.00	240	448656	20.00	ng	-0.03
87) Perylene-d12	15.46	264	422952	20.00	ng	-0.03
System Monitoring Compounds						
5) 2-Fluorophenol	5.48	112	1183203	118.50	ng	0.01
7) Phenol-d6	6.48	99	1562944	124.07	ng	0.00
23) Nitrobenzene-d5	7.40	82	1039089	92.77	ng	-0.01
42) 2,4,6-Tribromophenol	10.67	330	440201	132.19	ng	-0.02
45) 2-Fluorobiphenyl	9.20	172	1771768	96.62	ng	-0.02
79) Terphenyl-d14	12.95	244	1957585	91.94	ng	-0.02
Target Compounds						
19) n-Nitroso-di-n-propylamine	7.40	70	137816	17.655	ng	# 79
25) Isophorone	7.40	82	1039084	48.514	ng	# 66
51) 2,6-Dinitrotoluene	9.87	165	44092	8.676	ng	# 28
57) 2,4-Dinitrotoluene	9.87	165	44093	6.516	ng	# 24
67) 4-Bromophenyl-phenylether	10.67	248	26673	4.079	ng	# 1

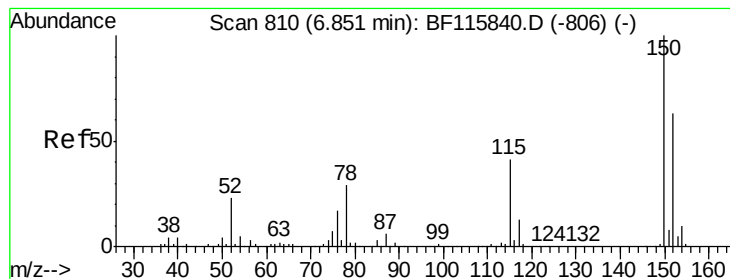
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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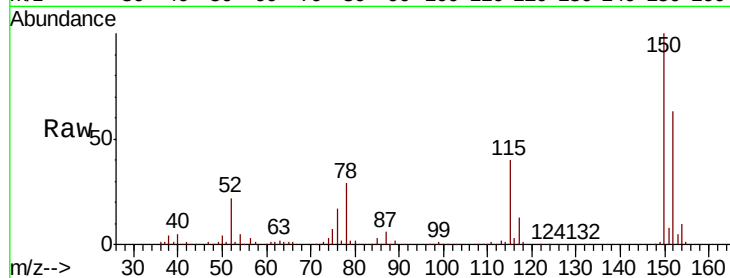




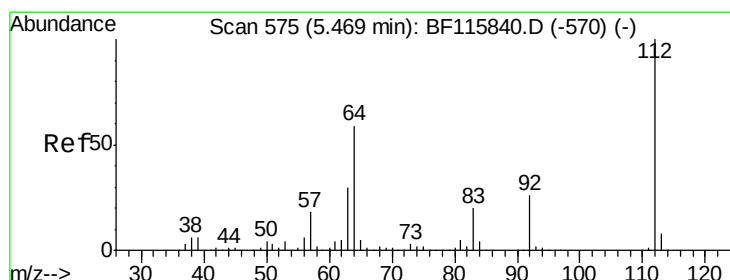
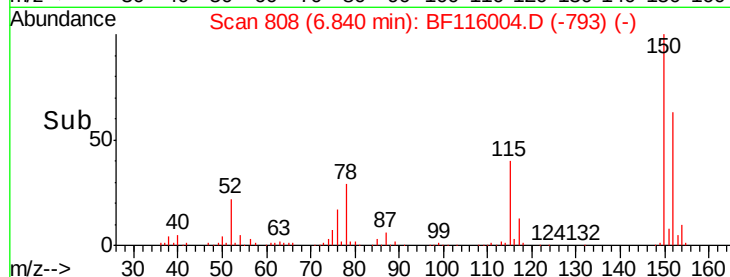
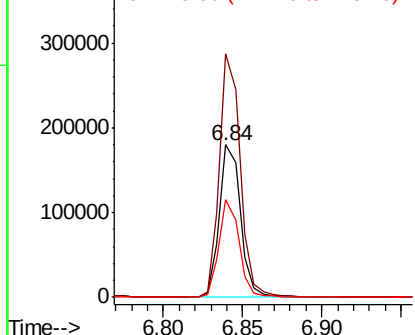
#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.84 min Scan# 808
 Delta R.T. -0.01 min
 Lab File: BF116004.D
 Acq: 6 Aug 2019 11:09

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:152 Resp: 167147
 Ion Ratio Lower Upper
 152 100
 150 159.9 127.4 191.0
 115 64.0 51.8 77.8

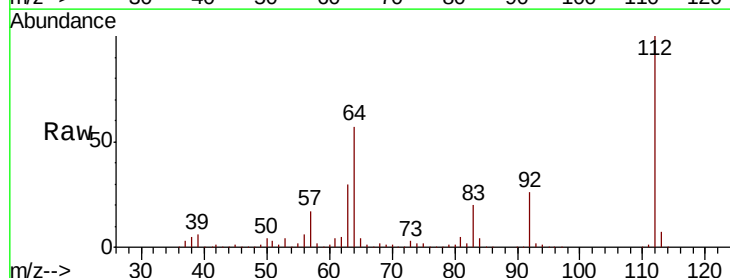


Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E

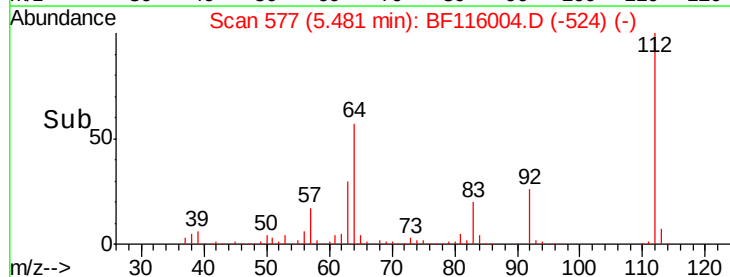
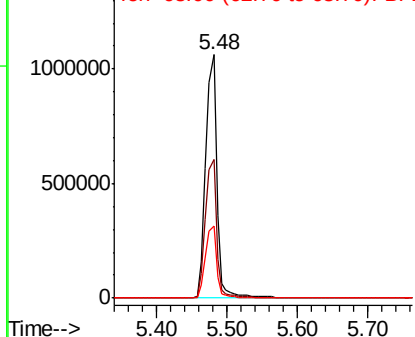


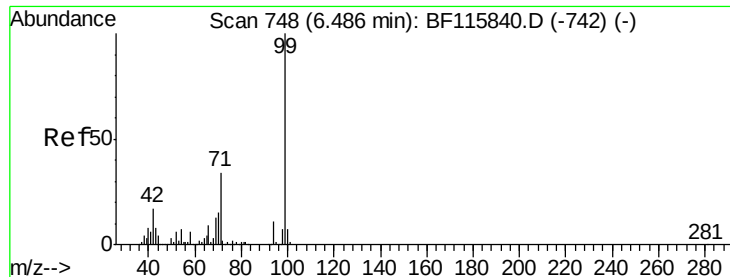
#5
 2-Fluorophenol
 Concen: 118.504 ng
 RT: 5.48 min Scan# 577
 Delta R.T. 0.01 min
 Lab File: BF116004.D
 Acq: 6 Aug 2019 11:09

Tgt Ion:112 Resp: 1183203
 Ion Ratio Lower Upper
 112 100
 64 56.8 46.8 70.2
 63 29.5 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: 124.070 ng

RT: 6.48 min Scan# 747

Delta R.T. -0.01 min

Lab File: BF116004.D

Acq: 6 Aug 2019 11:09

Instrument :

BNA_F

ClientSampled :

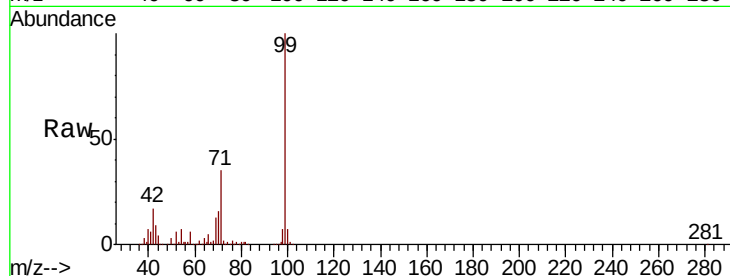
Tot Ion: 99 Resp: 1562944

Ion Ratio Lower Upper

99 100

42 17.1 13.8 20.6

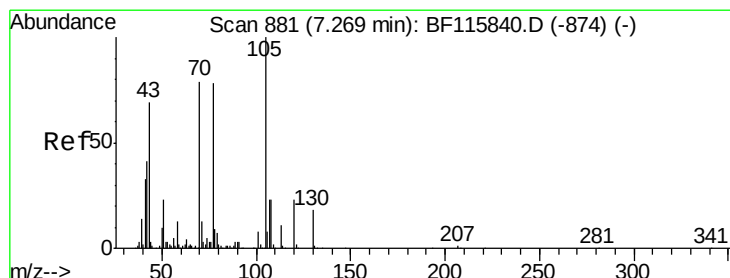
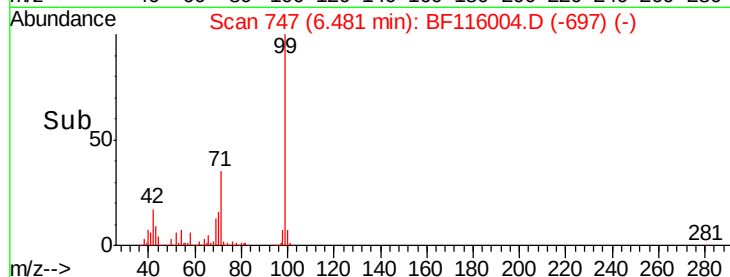
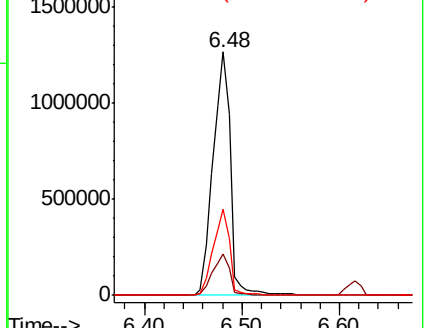
71 35.4 27.1 40.7



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: 17.655 ng

RT: 7.40 min Scan# 904

Delta R.T. 0.14 min

Lab File: BF116004.D

Acq: 6 Aug 2019 11:09

Tgt Ion: 70 Resp: 137816

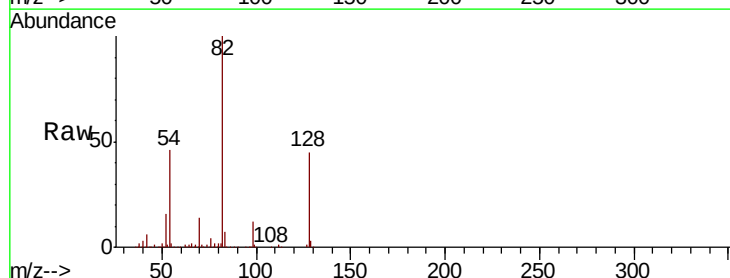
Ion Ratio Lower Upper

70 100

42 44.6 41.8 62.8

101 0.0 7.7 11.5#

130 2.2 17.8 26.6#

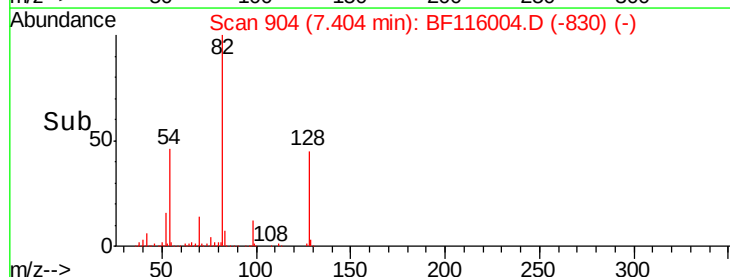
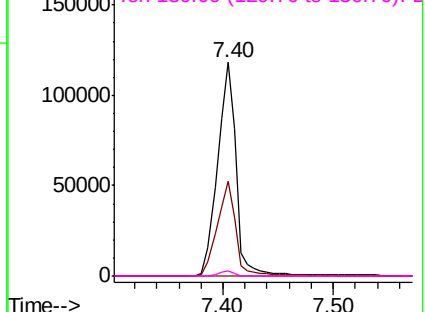


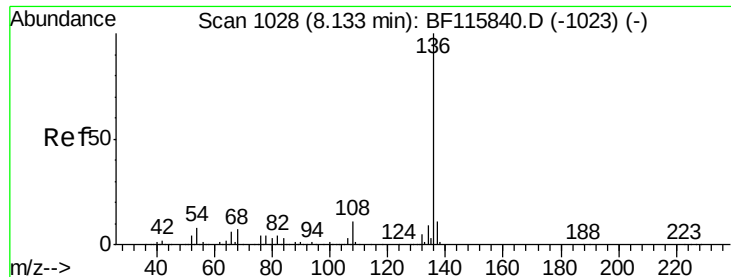
Abundance Ion 70.00 (69.70 to 70.70): BF1

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: BF116004.D

Acq: 6 Aug 2019 11:09

Instrument :

BNA_F

ClientSampled :

Tot Ion:136 Resp: 646557

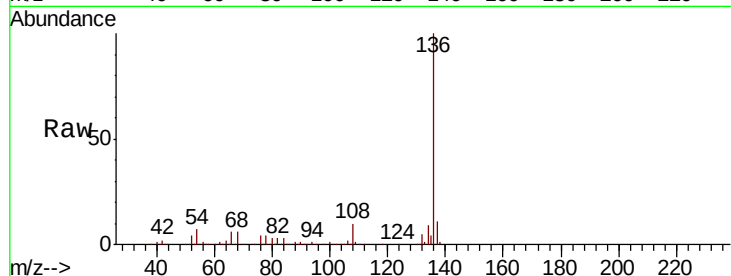
Ion Ratio Lower Upper

136 100

137 11.3 9.1 13.7

54 7.3 6.1 9.1

68 6.4 5.4 8.2

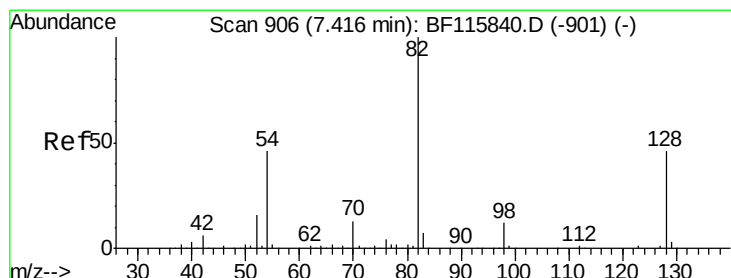
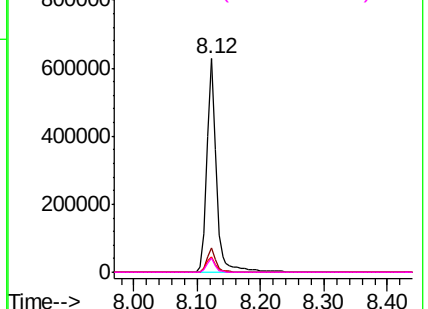
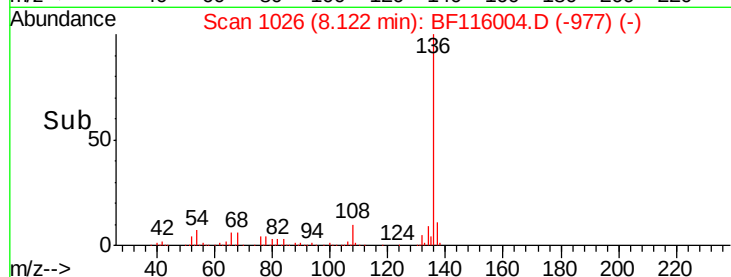


Abundance Ion 136.00 (135.70 to 136.70): E

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: 92.767 ng

RT: 7.40 min Scan# 904

Delta R.T. -0.01 min

Lab File: BF116004.D

Acq: 6 Aug 2019 11:09

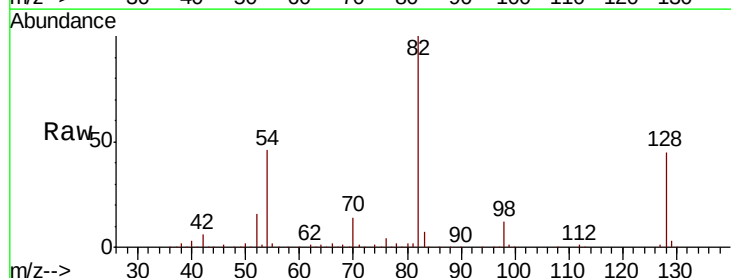
Tgt Ion: 82 Resp: 1039089

Ion Ratio Lower Upper

82 100

128 44.7 36.6 55.0

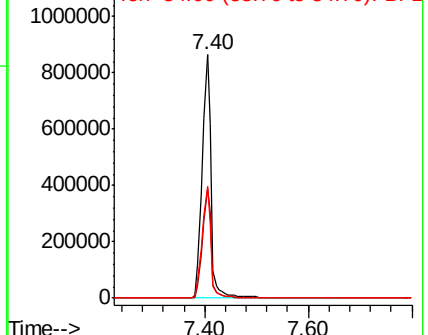
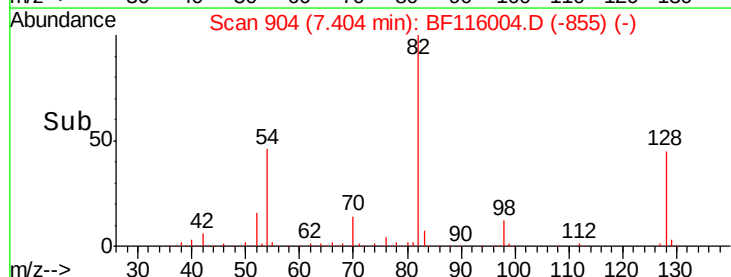
54 45.8 36.6 55.0

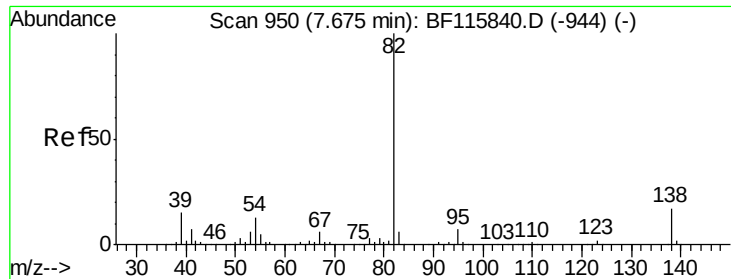


Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF1





#25

Isophorone

Concen: 48.514 ng

RT: 7.40 min Scan# 904

Delta R.T. -0.27 min

Lab File: BF116004.D

Acq: 6 Aug 2019 11:09

Instrument :

BNA_F

ClientSampleId :

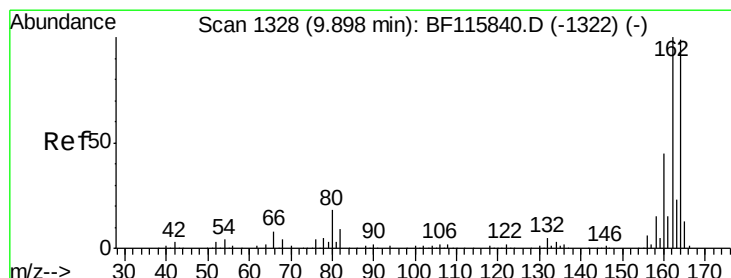
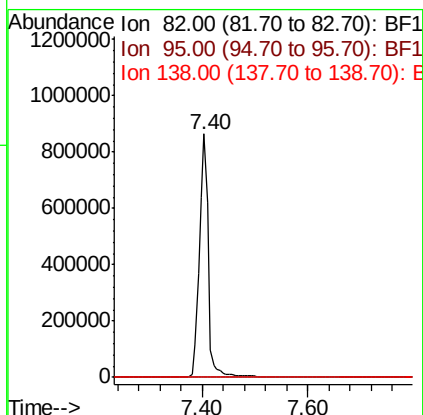
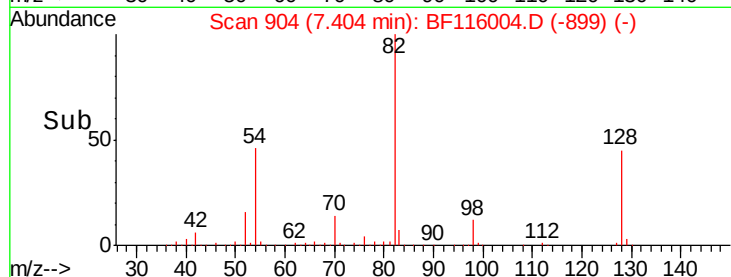
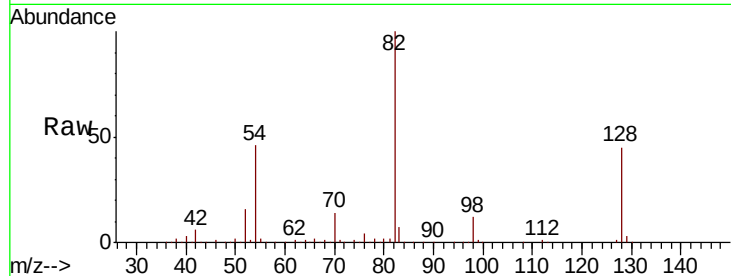
Tot Ion: 82 Resp: 1039084

Ion Ratio Lower Upper

82 100

95 0.0 5.5 8.3#

138 0.0 13.9 20.9#



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.87 min Scan# 1324

Delta R.T. -0.02 min

Lab File: BF116004.D

Acq: 6 Aug 2019 11:09

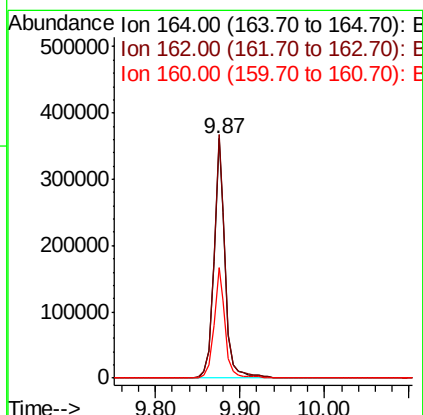
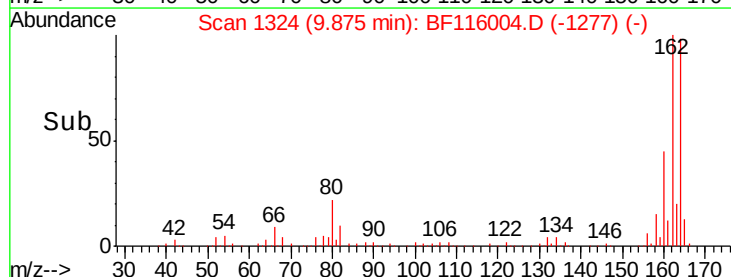
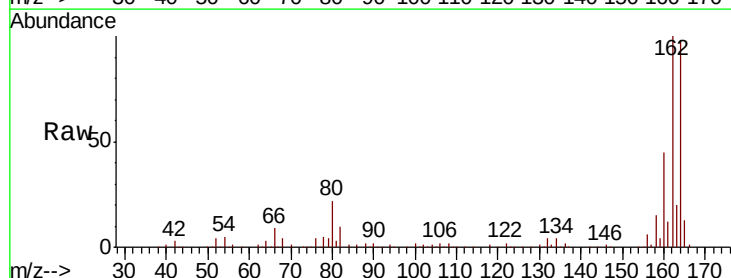
Tgt Ion:164 Resp: 343468

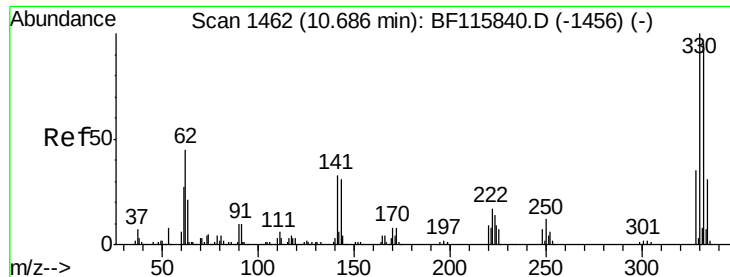
Ion Ratio Lower Upper

164 100

162 101.6 80.8 121.2

160 46.0 36.2 54.4





#42

2,4,6-Tribromophenol

Concen: 132.192 ng

RT: 10.67 min Scan# 1459

Delta R.T. -0.02 min

Lab File: BF116004.D

Acq: 6 Aug 2019 11:09

Instrument :

BNA_F

ClientSampled :

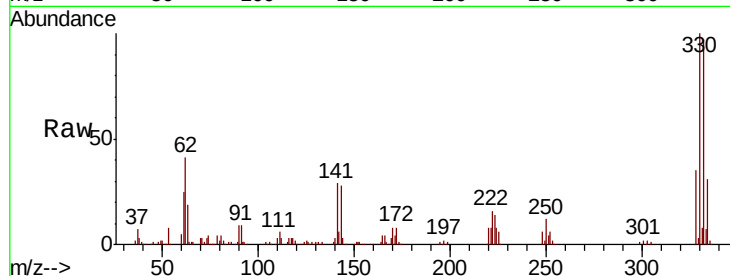
Tot Ion:330 Resp: 440201

Ion Ratio Lower Upper

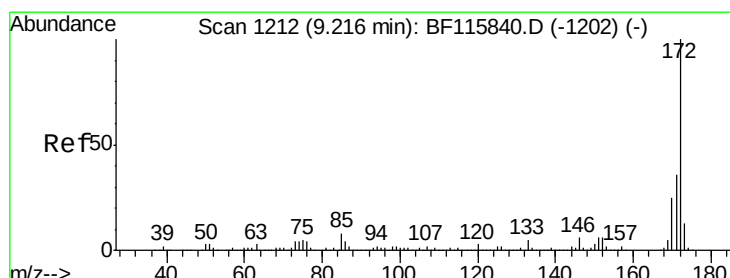
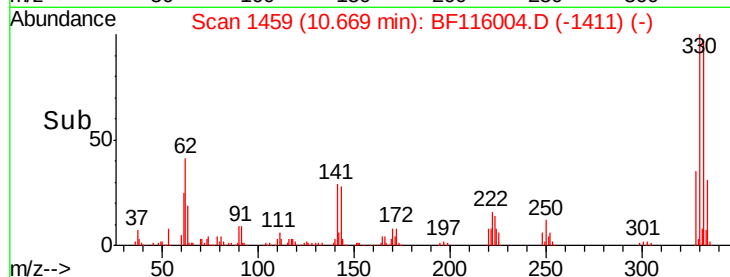
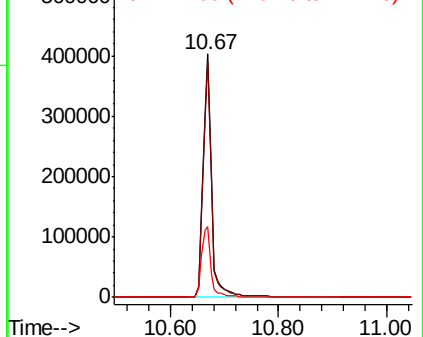
330 100

332 96.2 77.7 116.5

141 32.8 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: 96.622 ng

RT: 9.20 min Scan# 1209

Delta R.T. -0.02 min

Lab File: BF116004.D

Acq: 6 Aug 2019 11:09

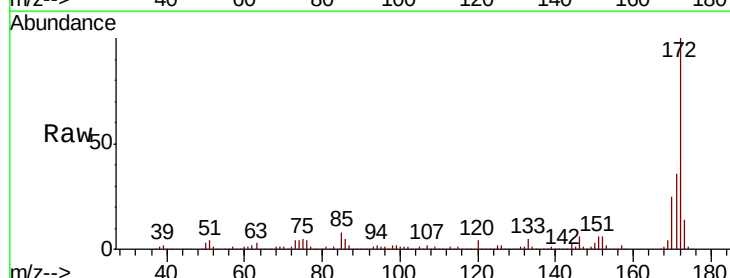
Tgt Ion:172 Resp: 1771768

Ion Ratio Lower Upper

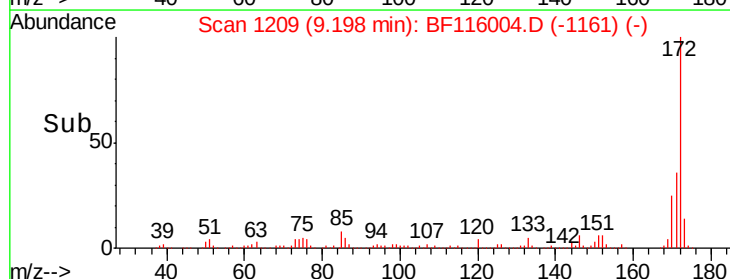
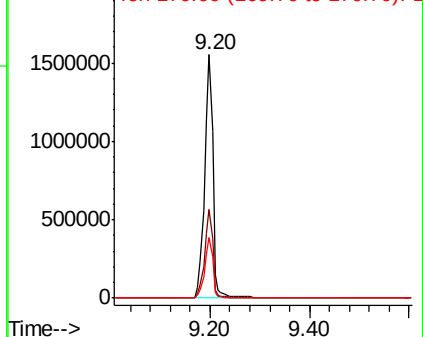
172 100

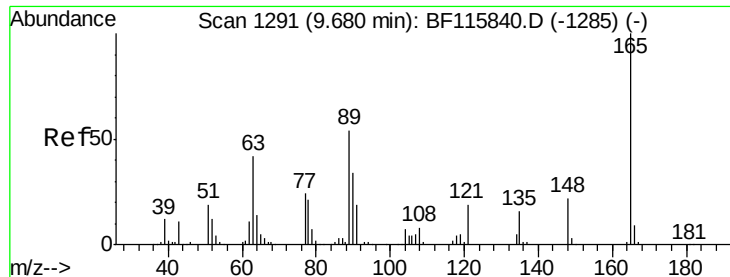
171 36.5 29.1 43.7

170 25.0 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: 8.676 ng

RT: 9.87 min Scan# 1324

Delta R.T. 0.19 min

Lab File: BF116004.D

Acq: 6 Aug 2019 11:09

Instrument :

BNA_F

ClientSampleId :

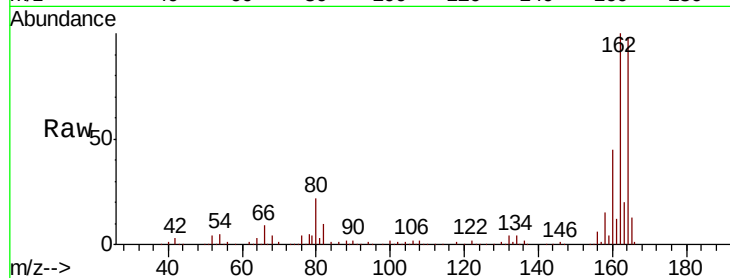
Tot Ion:165 Resp: 44092

Ion Ratio Lower Upper

165 100

63 0.9 39.4 59.2#

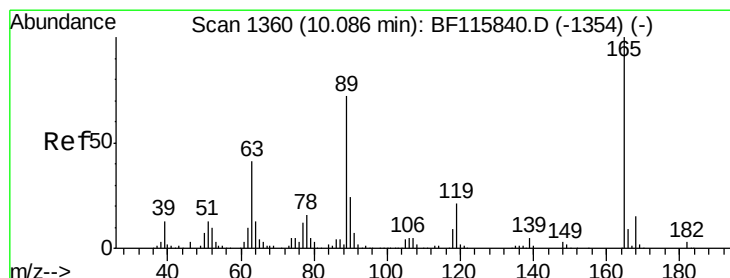
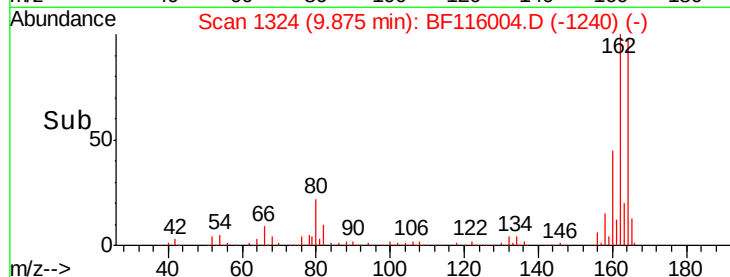
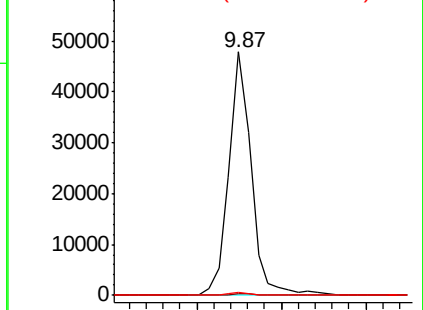
89 1.4 43.0 64.6#



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: 6.516 ng

RT: 9.87 min Scan# 1324

Delta R.T. -0.21 min

Lab File: BF116004.D

Acq: 6 Aug 2019 11:09

Tgt Ion:165 Resp: 44093

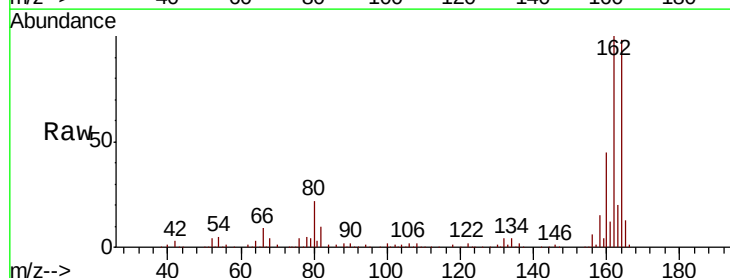
Ion Ratio Lower Upper

165 100

63 0.9 33.2 49.8#

89 1.4 57.3 85.9#

182 0.0 2.1 3.1#

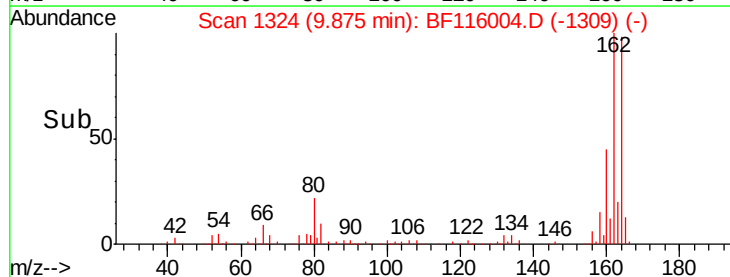
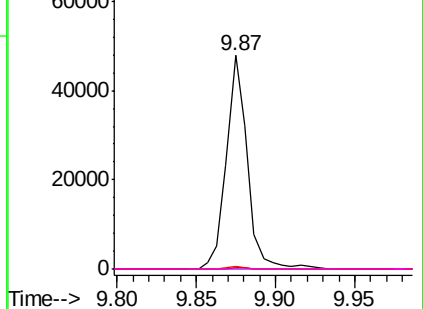


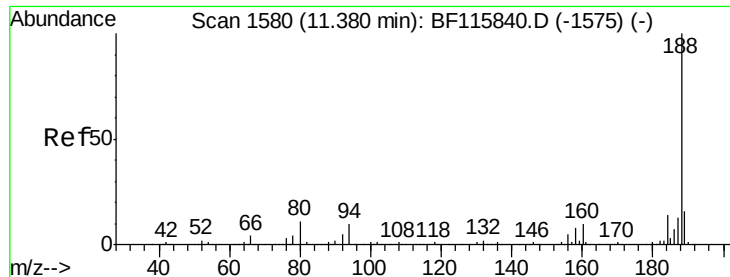
Abundance Ion 165.00 (164.70 to 165.70): E

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: BF116004.D

Acq: 6 Aug 2019 11:09

Instrument :

BNA_F

ClientSampleId :

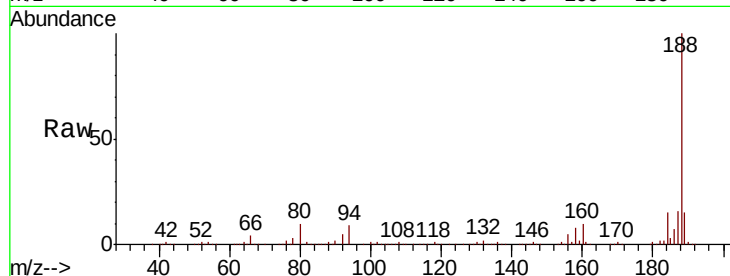
Tot Ion:188 Resp: 610918

Ion Ratio Lower Upper

188 100

94 9.3 8.0 12.0

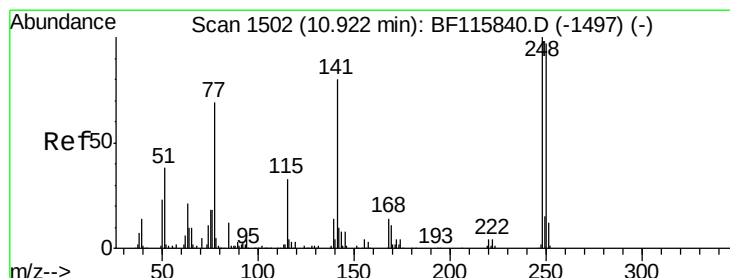
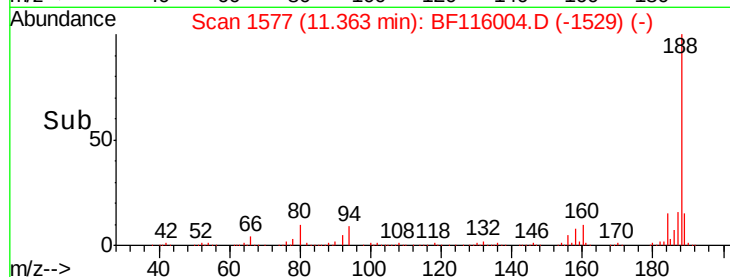
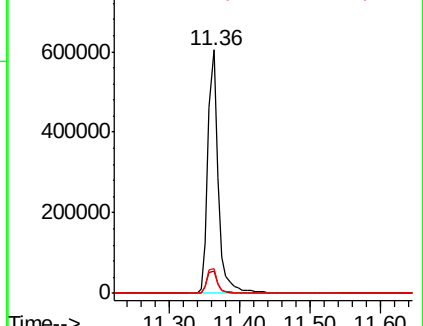
80 10.2 8.6 12.8



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: 4.079 ng

RT: 10.67 min Scan# 1459

Delta R.T. -0.25 min

Lab File: BF116004.D

Acq: 6 Aug 2019 11:09

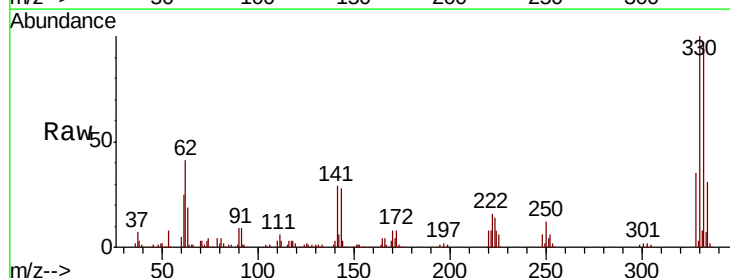
Tgt Ion:248 Resp: 26673

Ion Ratio Lower Upper

248 100

250 200.6 77.8 116.6#

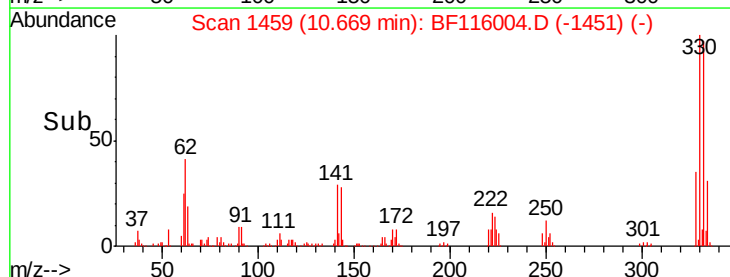
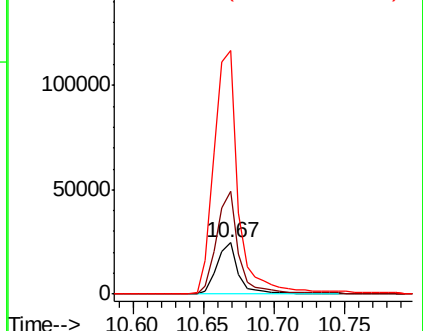
141 477.3 64.3 96.5#

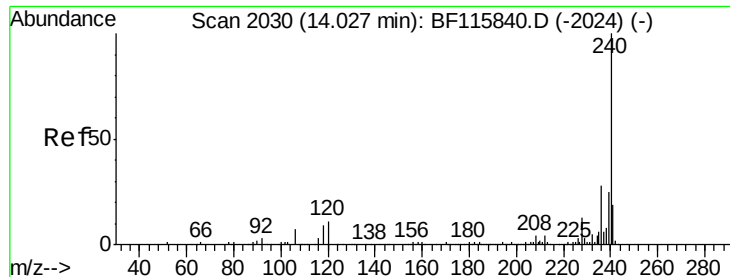


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E

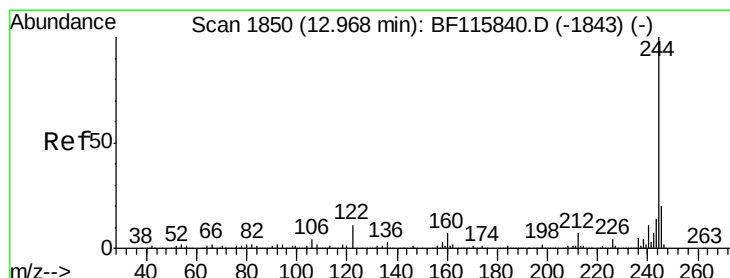
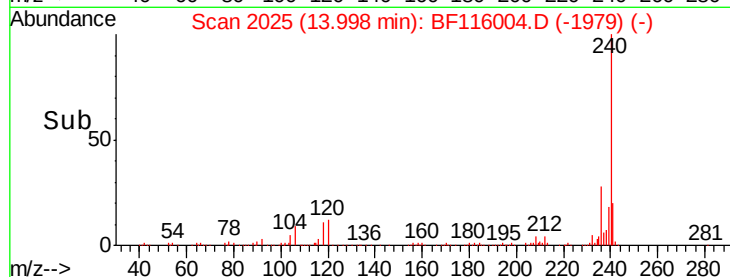
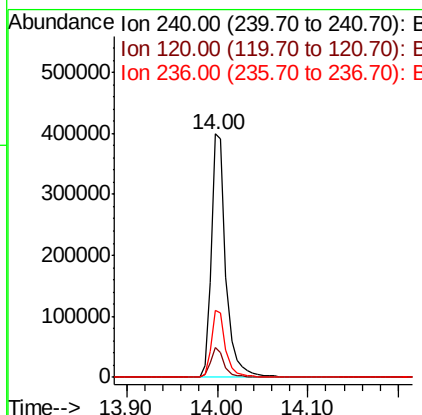
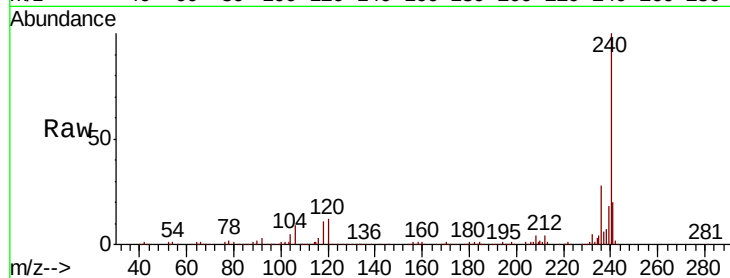




#76
 Chrysene-d12
 Concen: 20.000 ng
 RT: 14.00 min Scan# 2025
 Delta R.T. -0.03 min
 Lab File: BF116004.D
 Acq: 6 Aug 2019 11:09

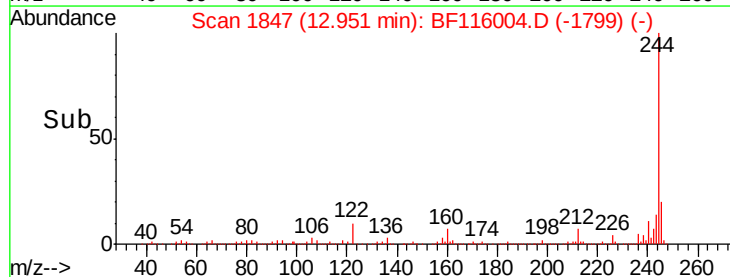
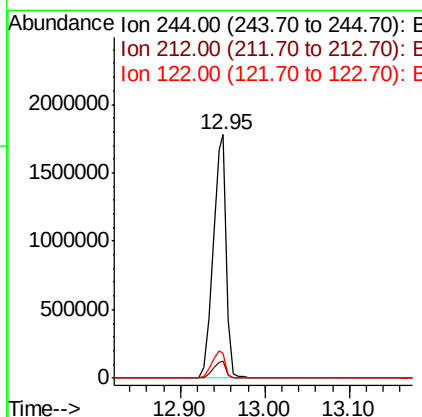
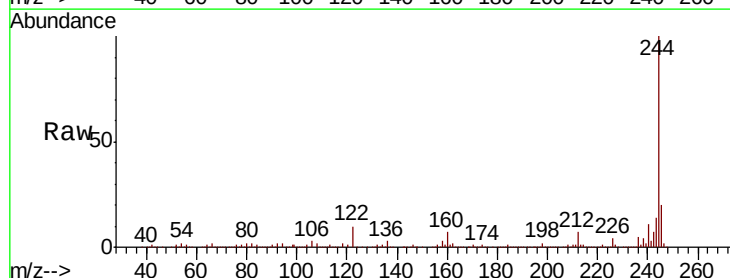
Instrument :
 BNA_F
 ClientSampleId :

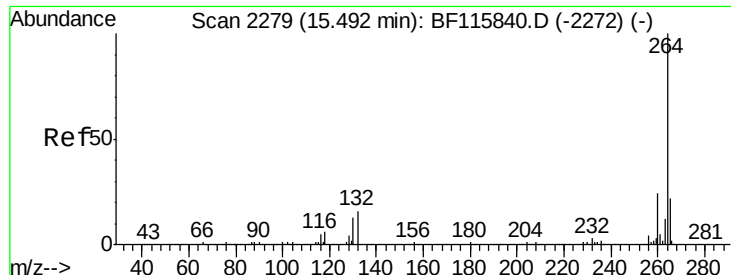
Tot Ion:240 Resp: 448656
 Ion Ratio Lower Upper
 240 100
 120 12.2 8.5 12.7
 236 27.7 22.2 33.2



#79
 Terphenyl-d14
 Concen: 91.940 ng
 RT: 12.95 min Scan# 1847
 Delta R.T. -0.02 min
 Lab File: BF116004.D
 Acq: 6 Aug 2019 11:09

Tgt Ion:244 Resp: 1957585
 Ion Ratio Lower Upper
 244 100
 212 7.2 5.6 8.4
 122 10.4 8.6 13.0

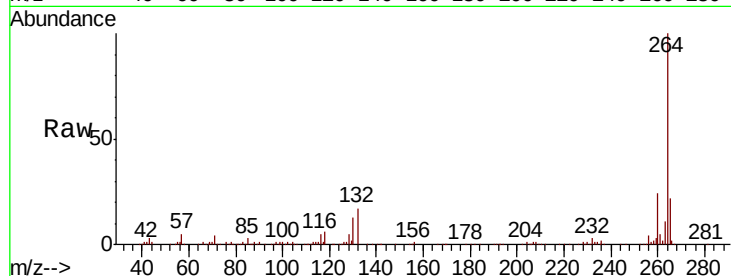




#87
 Pervlene-d12
 Concen: 20.000 ng
 RT: 15.46 min Scan# 2274
 Delta R.T. -0.03 min
 Lab File: BF116004.D
 Acq: 6 Aug 2019 11:09

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:264	Resp:	422952
Ion Ratio	Lower	Upper
264	100	
260	24.3	19.4 29.2
265	21.6	17.5 26.3



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

