

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF080619\
 Data File : BF116018.D
 Acq On : 6 Aug 2019 17:35
 Operator : HP/JU
 Sample : K4130-40
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Aug 07 01:16:36 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

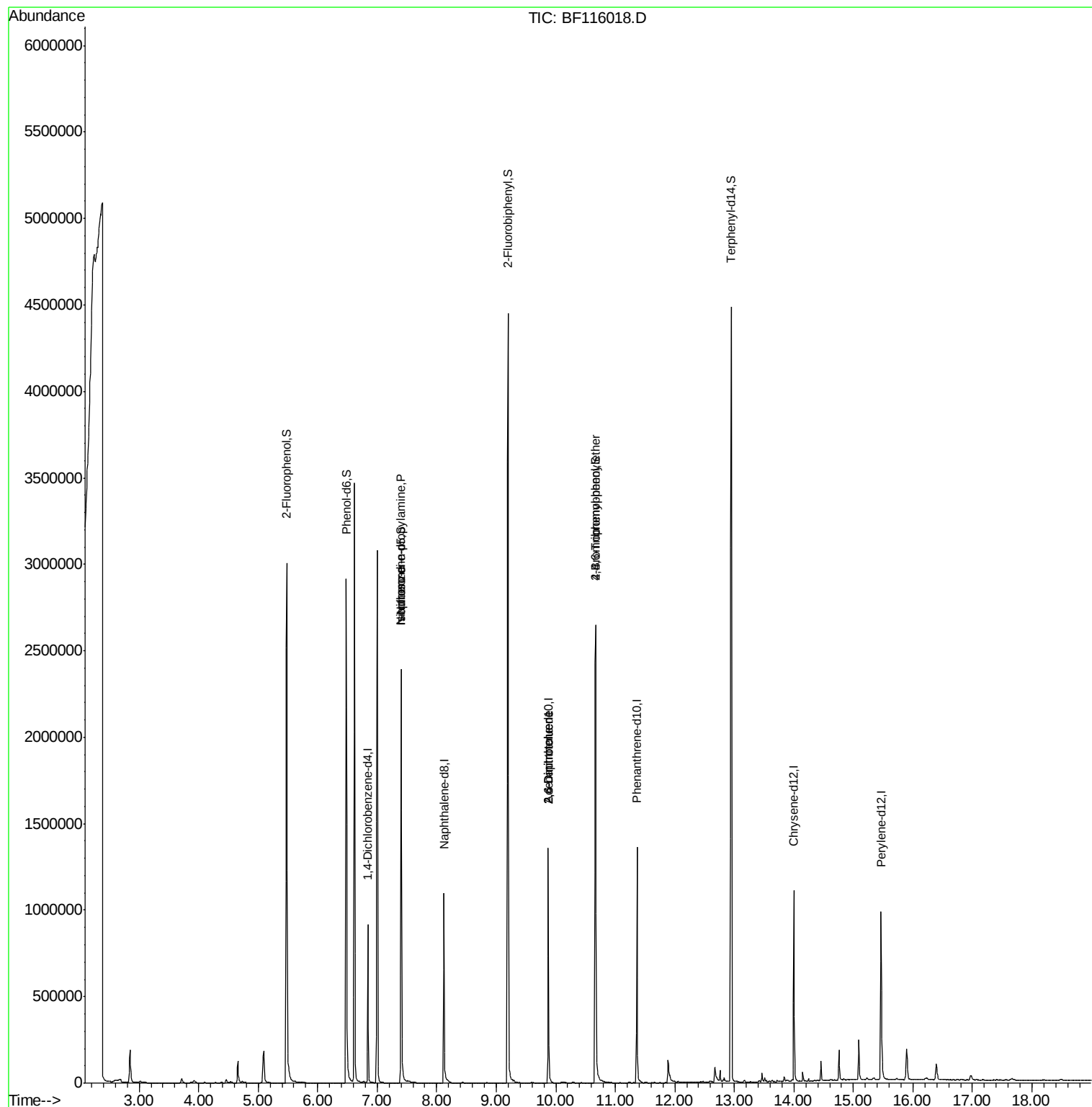
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.85	152	137657	20.00	ng	0.00
21) Naphthalene-d8	8.12	136	528326	20.00	ng	-0.01
39) Acenaphthene-d10	9.87	164	283848	20.00	ng	-0.02
64) Phenanthrene-d10	11.36	188	523957	20.00	ng	-0.02
76) Chrysene-d12	14.00	240	398051	20.00	ng	-0.03
87) Perylene-d12	15.46	264	412119	20.00	ng	-0.03
System Monitoring Compounds						
5) 2-Fluorophenol	5.48	112	953310	115.93	ng	0.01
7) Phenol-d6	6.48	99	1133529	109.26	ng	0.00
23) Nitrobenzene-d5	7.40	82	884302	96.62	ng	-0.01
42) 2,4,6-Tribromophenol	10.67	330	400764	145.63	ng	-0.02
45) 2-Fluorobiphenyl	9.20	172	1512275	99.79	ng	-0.02
79) Terphenyl-d14	12.95	244	1843300	97.58	ng	-0.02
Target Compounds						
19) n-Nitroso-di-n-propylamine	7.40	70	118103	18.371	ng	# 78
25) Isophorone	7.40	82	884298	50.527	ng	# 66
51) 2,6-Dinitrotoluene	9.87	165	36436	8.675	ng	# 28
57) 2,4-Dinitrotoluene	9.87	165	36437	6.516	ng	# 25
67) 4-Bromophenyl-phenylether	10.67	248	25070	4.470	ng	# 1

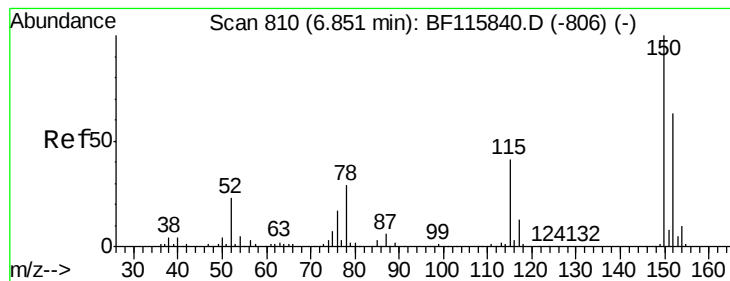
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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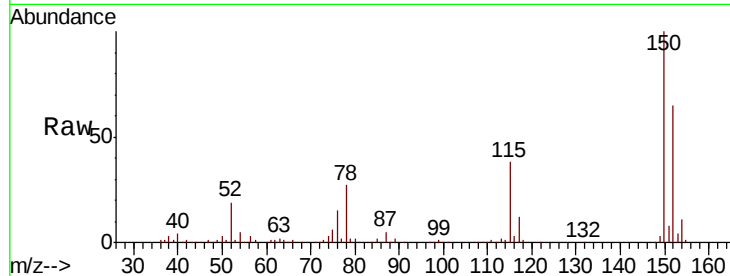


#1

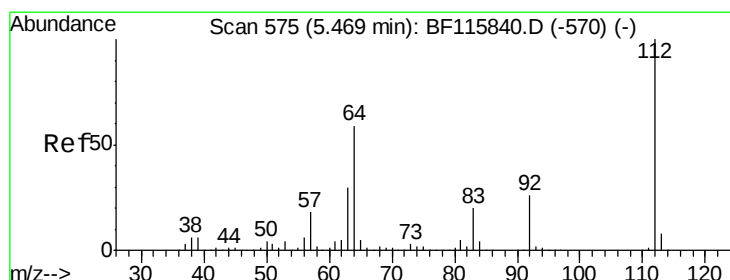
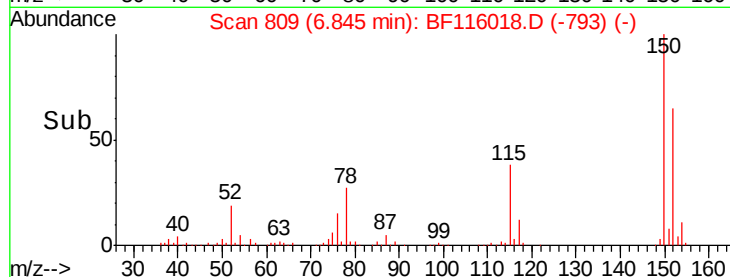
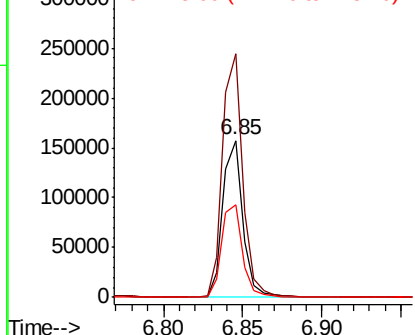
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.85 min Scan# 809
Delta R.T. -0.01 min
Lab File: BF116018.D
Acq: 6 Aug 2019 17:35

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 137657
Ion Ratio Lower Upper
152 100
150 155.0 127.4 191.0
115 59.0 51.8 77.8



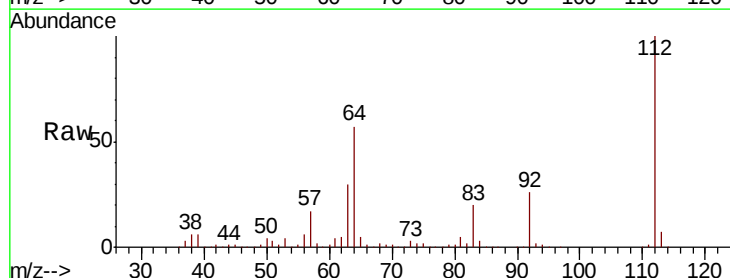
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



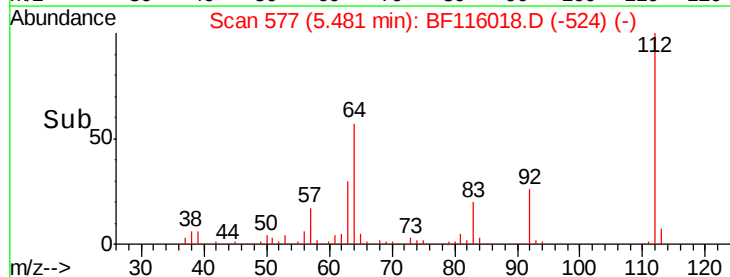
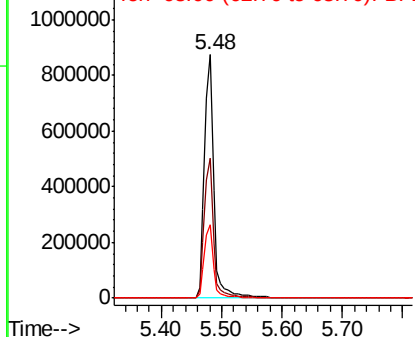
#5

2-Fluorophenol
Concen: 115.933 ng
RT: 5.48 min Scan# 577
Delta R.T. 0.01 min
Lab File: BF116018.D
Acq: 6 Aug 2019 17:35

Tgt Ion:112 Resp: 953310
Ion Ratio Lower Upper
112 100
64 57.4 46.8 70.2
63 30.4 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: 109.259 ng

RT: 6.48 min Scan# 747

Delta R.T. -0.01 min

Lab File: BF116018.D

Acq: 6 Aug 2019 17:35

Instrument :

BNA_F

ClientSampled :

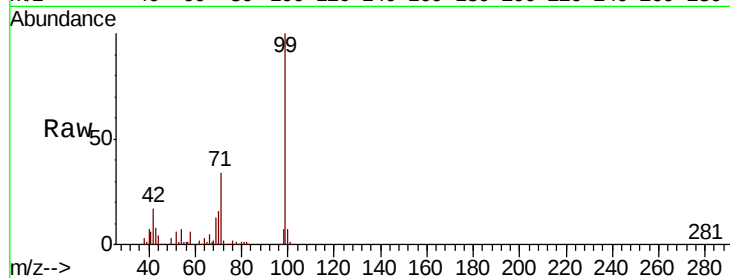
Tot Ion: 99 Resp: 1133529

Ion Ratio Lower Upper

99 100

42 17.0 13.8 20.6

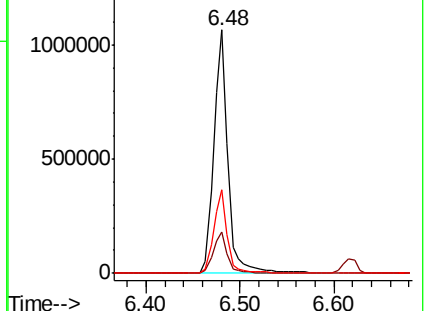
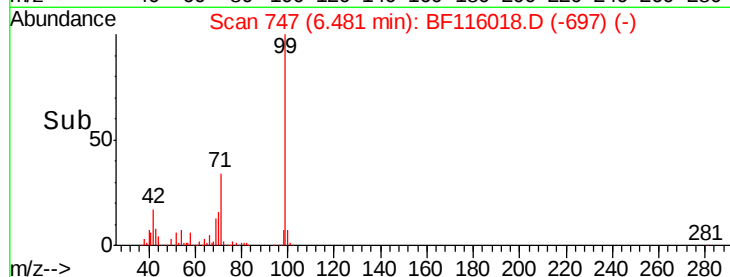
71 34.2 27.1 40.7



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: 18.371 ng

RT: 7.40 min Scan# 904

Delta R.T. 0.14 min

Lab File: BF116018.D

Acq: 6 Aug 2019 17:35

Tgt Ion: 70 Resp: 118103

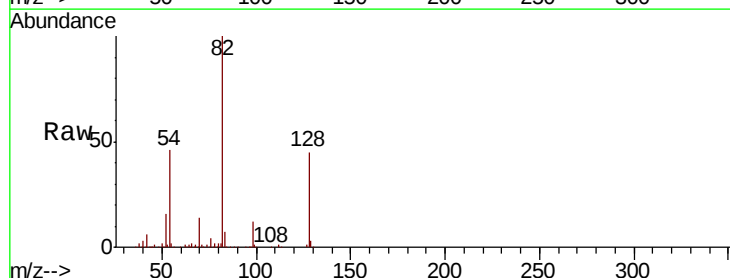
Ion Ratio Lower Upper

70 100

42 43.3 41.8 62.8

101 0.0 7.7 11.5#

130 2.3 17.8 26.6#

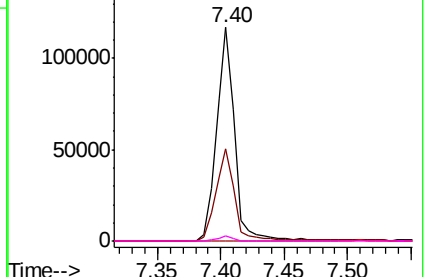
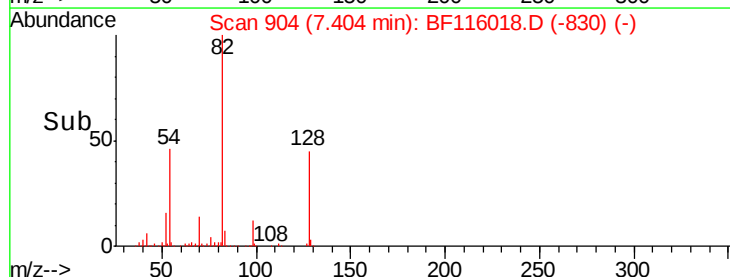


Abundance Ion 70.00 (69.70 to 70.70): BF1

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: BF116018.D

Acq: 6 Aug 2019 17:35

Instrument :

BNA_F

ClientSampleId :

Tot Ion:136 Resp: 528326

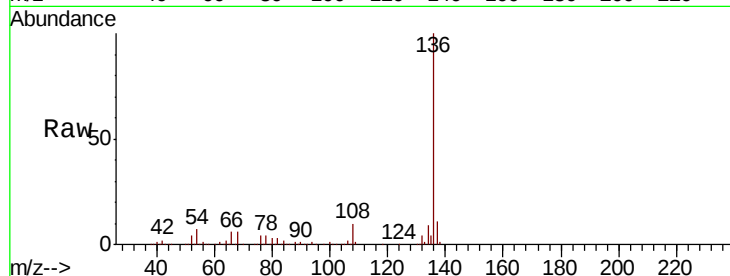
Ion Ratio Lower Upper

136 100

137 10.9 9.1 13.7

54 7.2 6.1 9.1

68 6.4 5.4 8.2

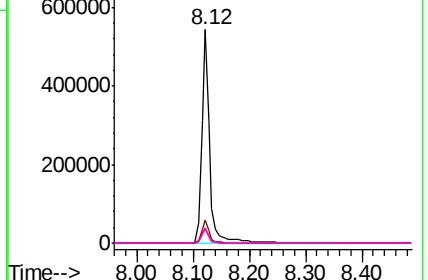
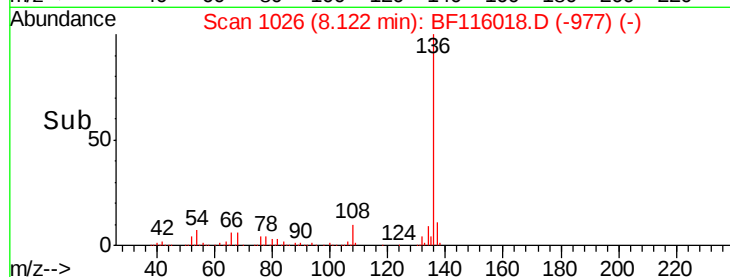


Abundance Ion 136.00 (135.70 to 136.70): E

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: 96.616 ng

RT: 7.40 min Scan# 904

Delta R.T. -0.01 min

Lab File: BF116018.D

Acq: 6 Aug 2019 17:35

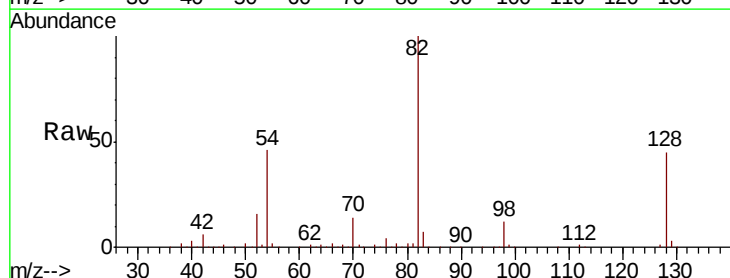
Tgt Ion: 82 Resp: 884302

Ion Ratio Lower Upper

82 100

128 44.7 36.6 55.0

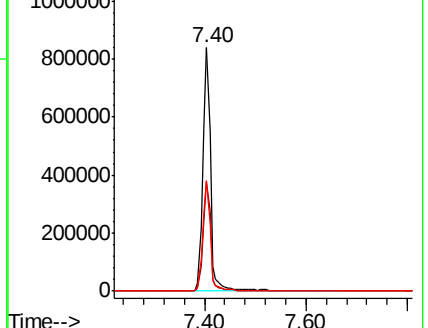
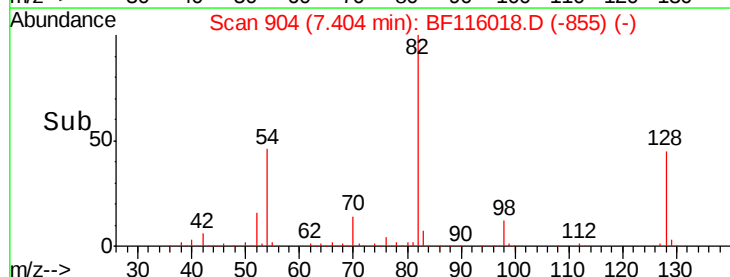
54 45.6 36.6 55.0



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: 50.527 ng

RT: 7.40 min Scan# 904

Delta R.T. -0.27 min

Lab File: BF116018.D

Acq: 6 Aug 2019 17:35

Instrument :

BNA_F

ClientSampled :

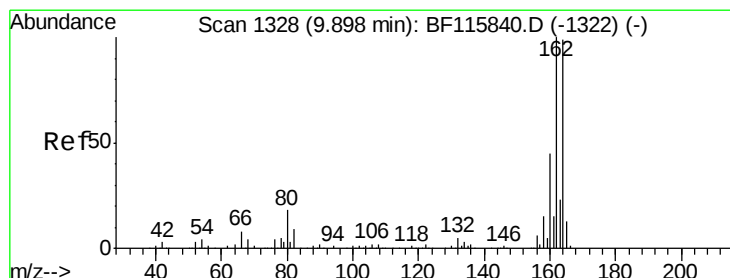
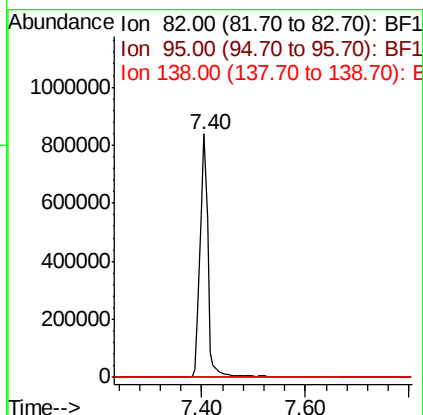
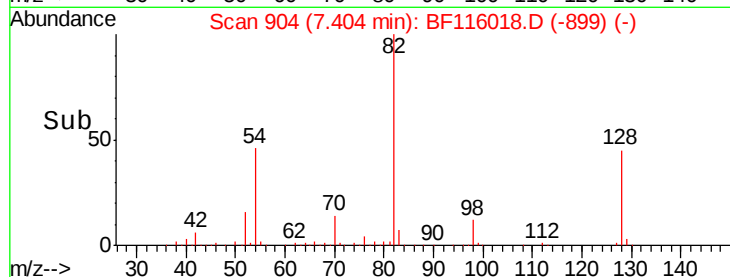
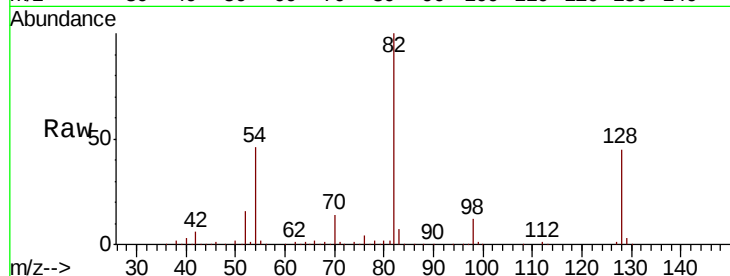
Tot Ion: 82 Resp: 884298

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: BF116018.D

Acq: 6 Aug 2019 17:35

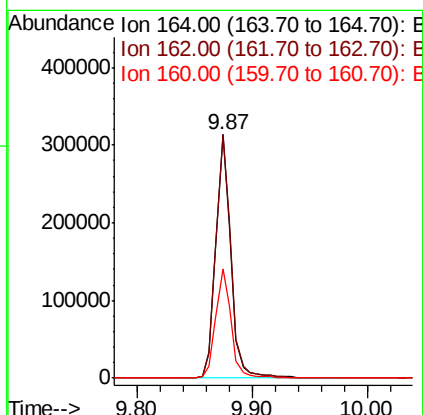
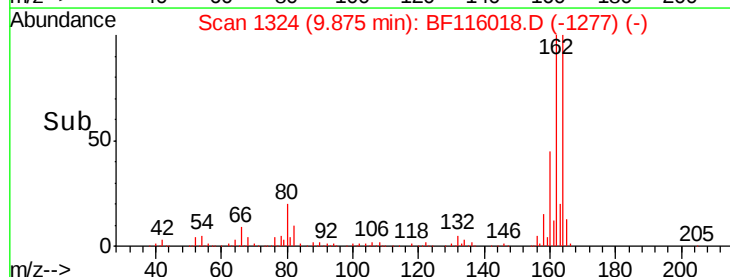
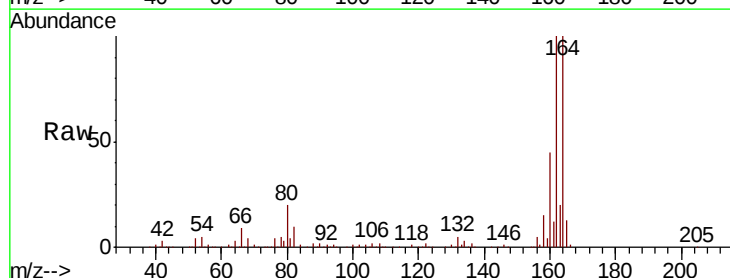
Tgt Ion:164 Resp: 283848

Ion Ratio Lower Upper

164 100

162 100.1 80.8 121.2

160 45.1 36.2 54.4

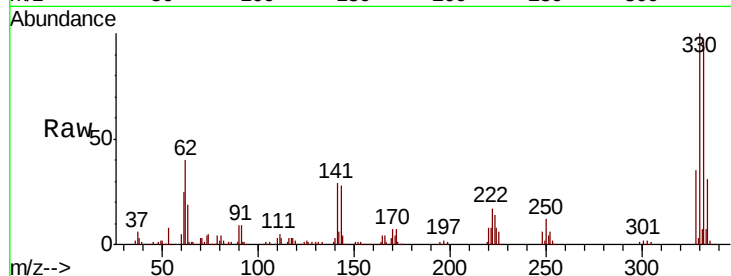




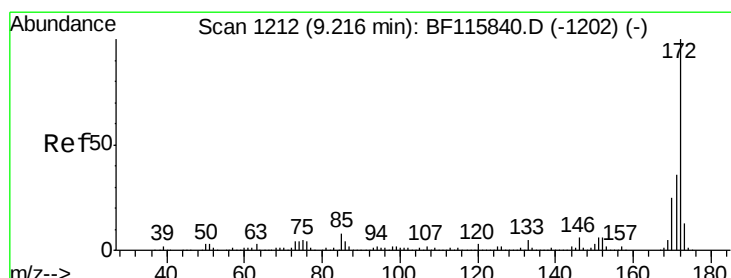
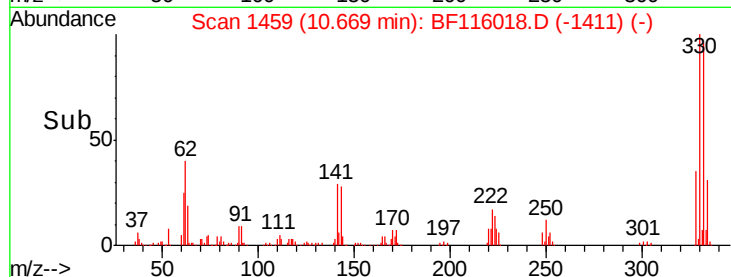
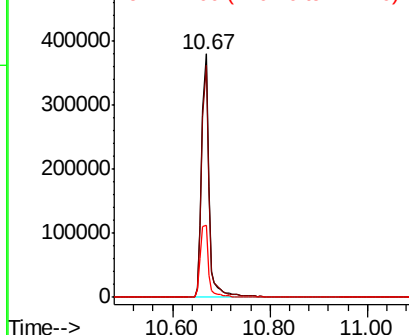
#42
 2,4,6-Tribromophenol
 Concen: 145.627 ng
 RT: 10.67 min Scan# 1459
 Delta R.T. -0.02 min
 Lab File: BF116018.D
 Acq: 6 Aug 2019 17:35

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:330 Resp: 400764
 Ion Ratio Lower Upper
 330 100
 332 95.9 77.7 116.5
 141 33.6 28.1 42.1

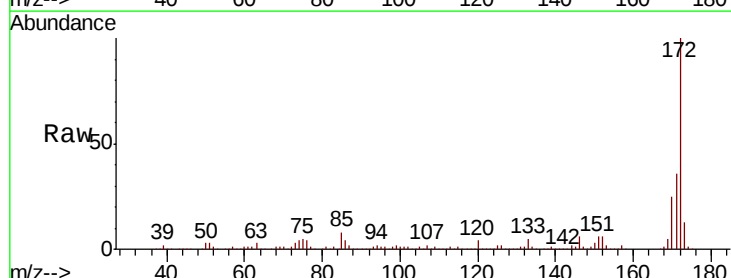


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

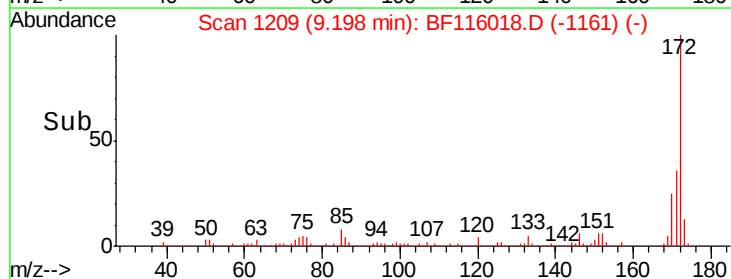
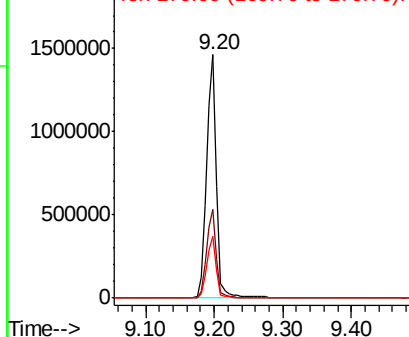


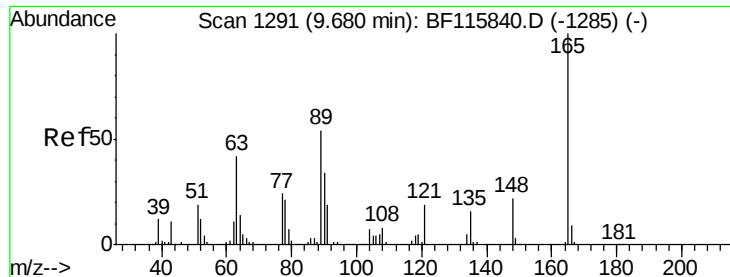
#45
 2-Fluorobiphenyl
 Concen: 99.793 ng
 RT: 9.20 min Scan# 1209
 Delta R.T. -0.02 min
 Lab File: BF116018.D
 Acq: 6 Aug 2019 17:35

Tgt Ion:172 Resp: 1512275
 Ion Ratio Lower Upper
 172 100
 171 36.3 29.1 43.7
 170 25.2 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

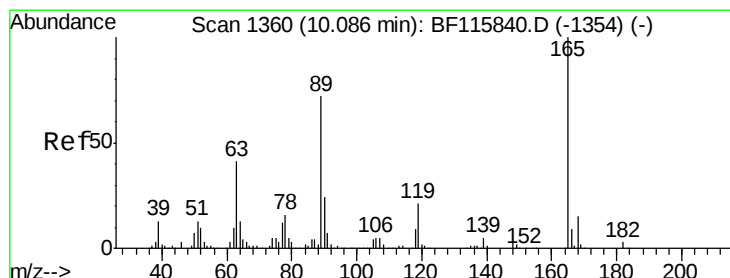
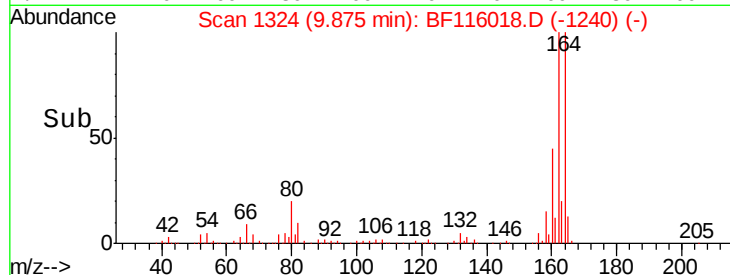
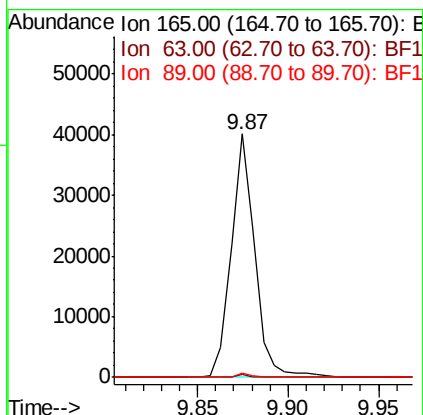
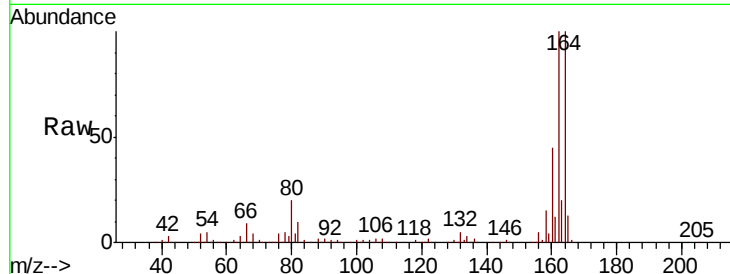




#51
 2,6-Dinitrotoluene
 Concen: 8.675 ng
 RT: 9.87 min Scan# 1324
 Delta R.T. 0.19 min
 Lab File: BF116018.D
 Acq: 6 Aug 2019 17:35

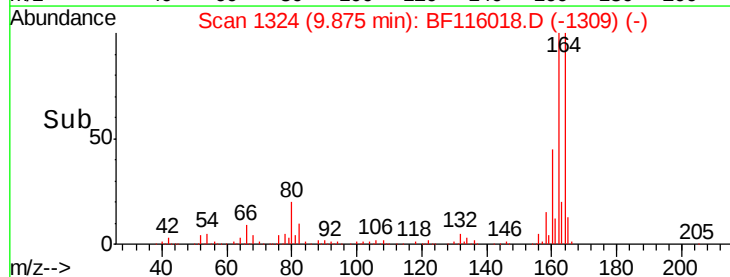
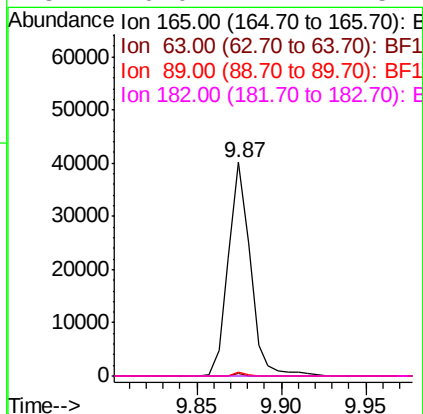
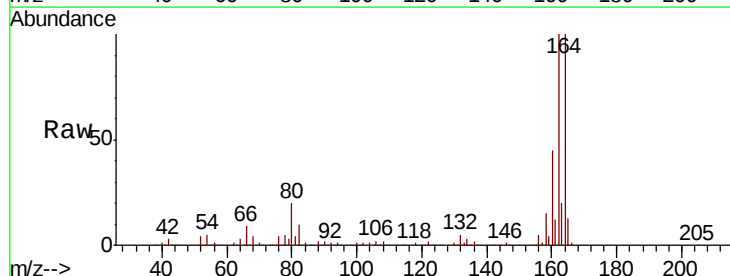
Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
165	100		
63	1.0	39.4	59.2#
89	1.6	43.0	64.6#



#57
 2,4-Dinitrotoluene
 Concen: 6.516 ng
 RT: 9.87 min Scan# 1324
 Delta R.T. -0.21 min
 Lab File: BF116018.D
 Acq: 6 Aug 2019 17:35

Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.0	33.2	49.8#
89	1.6	57.3	85.9#
182	0.0	2.1	3.1#





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.36 min Scan# 1577

Delta R.T. -0.02 min

Lab File: BF116018.D

Acq: 6 Aug 2019 17:35

Instrument :

BNA_F

ClientSampleId :

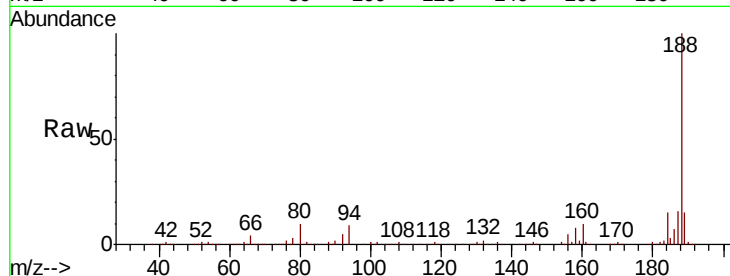
Tot Ion:188 Resp: 523957

Ion Ratio Lower Upper

188 100

94 9.2 8.0 12.0

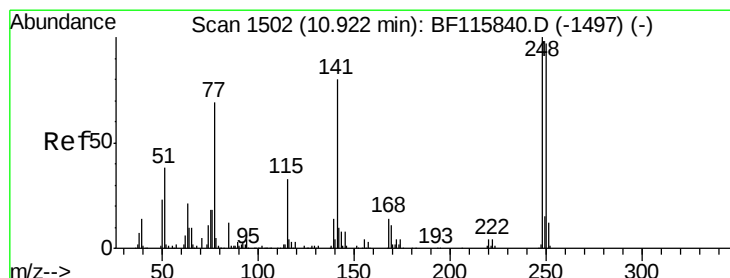
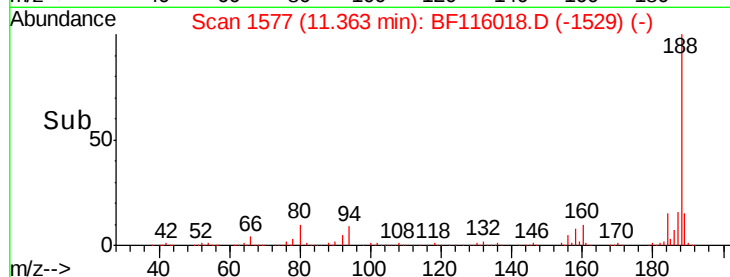
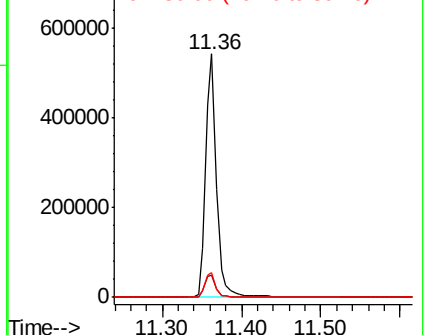
80 10.3 8.6 12.8



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: 4.470 ng

RT: 10.67 min Scan# 1459

Delta R.T. -0.25 min

Lab File: BF116018.D

Acq: 6 Aug 2019 17:35

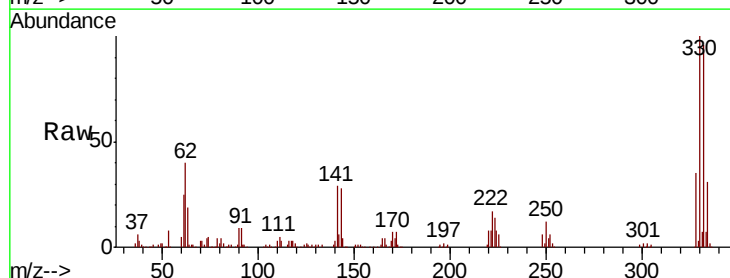
Tgt Ion:248 Resp: 25070

Ion Ratio Lower Upper

248 100

250 203.1 77.8 116.6#

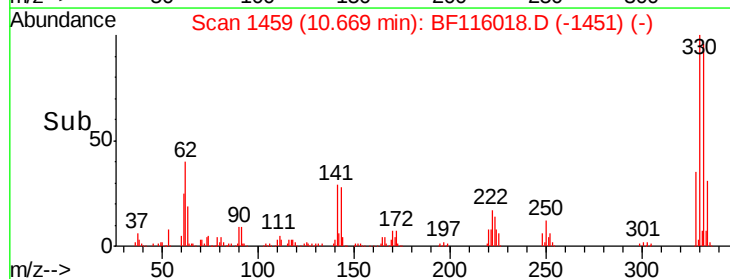
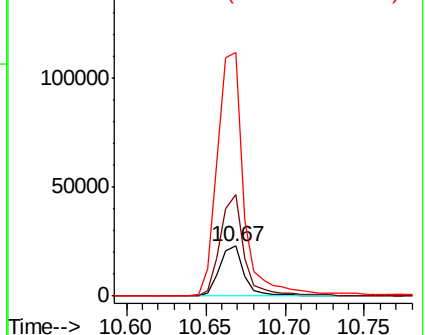
141 487.9 64.3 96.5#



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

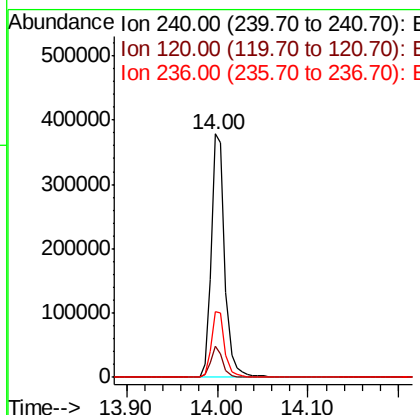
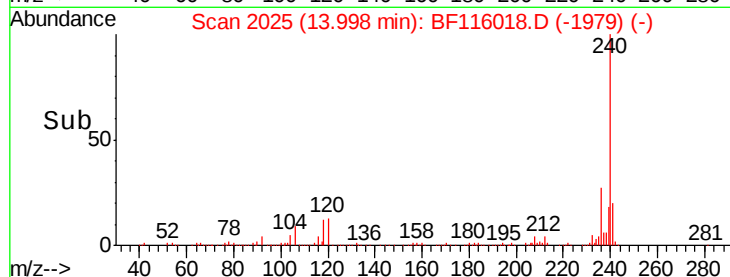
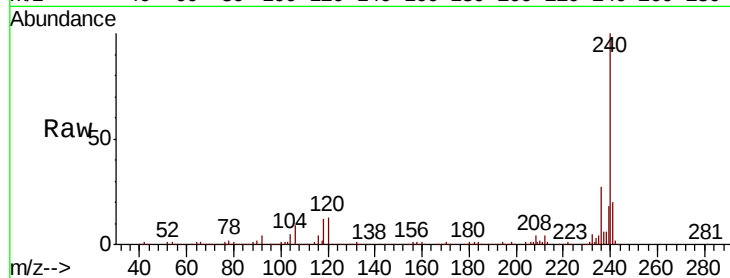




#76
 Chrysene-d12
 Concen: 20.000 ng
 RT: 14.00 min Scan# 2025
 Delta R.T. -0.03 min
 Lab File: BF116018.D
 Acq: 6 Aug 2019 17:35

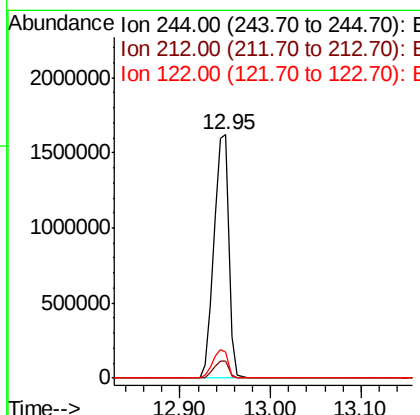
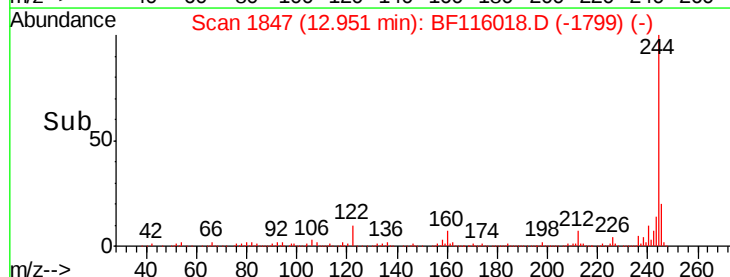
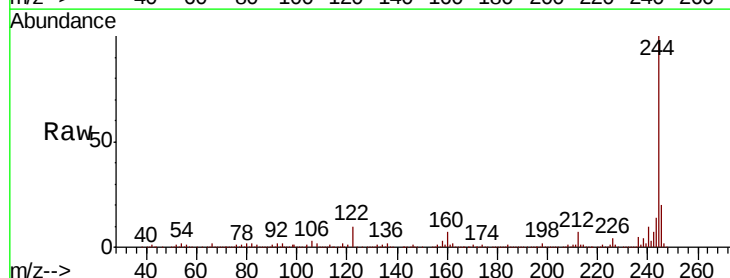
Instrument :
 BNA_F
 ClientSampleId :

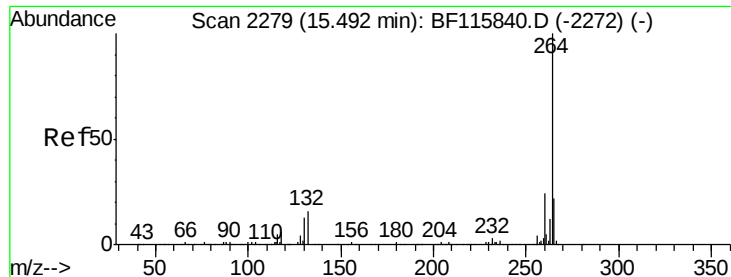
Tot Ion:240 Resp: 398051
 Ion Ratio Lower Upper
 240 100
 120 13.0 8.5 12.7#
 236 27.0 22.2 33.2



#79
 Terphenyl-d14
 Concen: 97.579 ng
 RT: 12.95 min Scan# 1847
 Delta R.T. -0.02 min
 Lab File: BF116018.D
 Acq: 6 Aug 2019 17:35

Tgt Ion:244 Resp: 1843300
 Ion Ratio Lower Upper
 244 100
 212 7.1 5.6 8.4
 122 10.5 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: BF116018.D
Acq: 6 Aug 2019 17:35

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ion	Ratio	Lower	Upper
412119	264	100		
	260	24.4	19.4	29.2
	265	21.6	17.5	26.3

