

Data Path : Z:\svoasrv\HPCHEM1\BNA F\Data\BF040620\
 Data File : BF119817.D
 Acq On : 7 Apr 2020 13:01
 Operator : MA/SJ
 Sample : L2112-01
 Misc :
 ALS Vial : 46 Sample Multiplier: 1

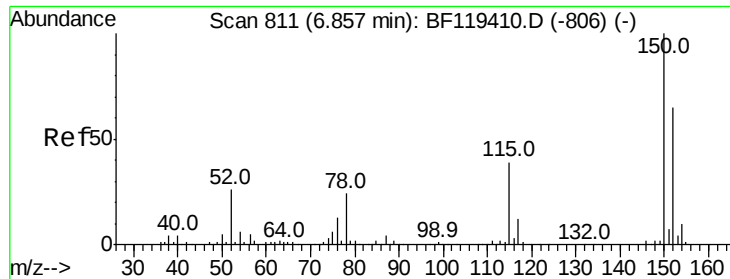
Instrument :
 BNA_F
 ClientSampleId :
 HR-06-040220

Quant Time: Apr 07 13:37:17 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF031820.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Apr 06 11:15:16 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.78	152	156214	20.00	ng	0.00
21) Naphthalene-d8	8.07	136	563295	20.00	ng	0.00
39) Acenaphthene-d10	9.83	164	274294	20.00	ng	0.00
64) Phenanthrene-d10	11.32	188	501046	20.00	ng	0.00
76) Chrysene-d12	13.96	240	349713	20.00	ng	0.00
87) Perylene-d12	15.41	264	281389	20.00	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.39	112	1062553	108.28	ng	0.00
7) Phenol-d6	6.42	99	1328669	105.99	ng	0.00
23) Nitrobenzene-d5	7.35	82	811647	78.31	ng	0.00
42) 2,4,6-Tribromophenol	10.62	330	333924	118.00	ng	0.00
45) 2-Fluorobiphenyl	9.15	172	1457478	78.72	ng	0.00
79) Terphenyl-d14	12.90	244	1465484	82.10	ng	0.00
Target Compounds						
22) Acetophenone	7.18	105	42730	3.175	ng	Qvalue # 50
35) Caprolactam	8.50	113	11666	4.302	ng	# 42
50) Dimethylphthalate	9.55	163	273150	14.020	ng	99
57) 2,4-Dinitrotoluene	9.83	165	36451	6.929	ng	# 21
67) 4-Bromophenyl-phenylether	10.62	248	20679	3.624	ng	# 1

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

```
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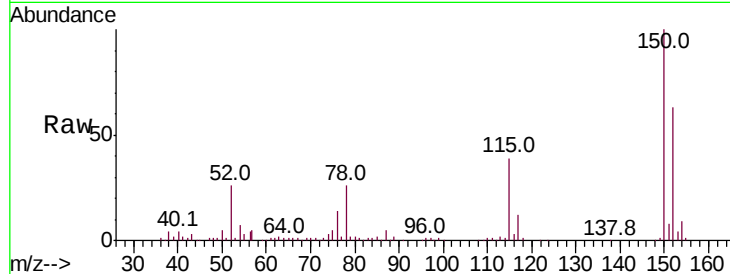


#1

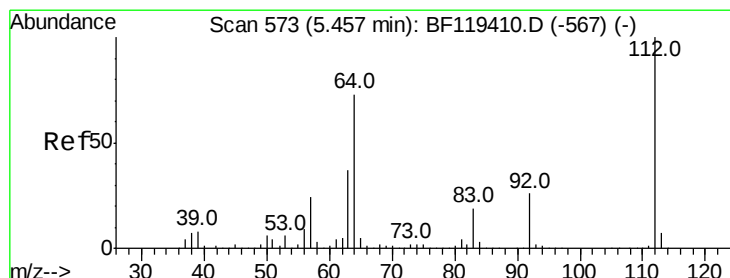
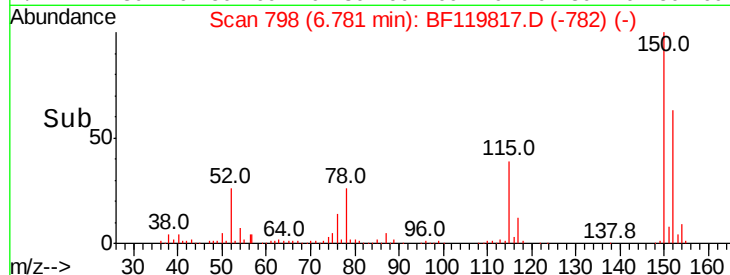
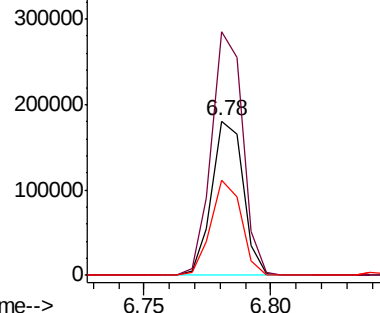
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.78 min Scan# 798
Delta R.T. -0.01 min
Lab File: BF119817.D
Acq: 7 Apr 2020 13:01

Instrument :
BNA_F
ClientSampleId :
HR-06-040220

Tot Ion:152 Resp: 156214
Ion Ratio Lower Upper
152 100
150 157.9 124.5 186.7
115 61.4 49.6 74.4



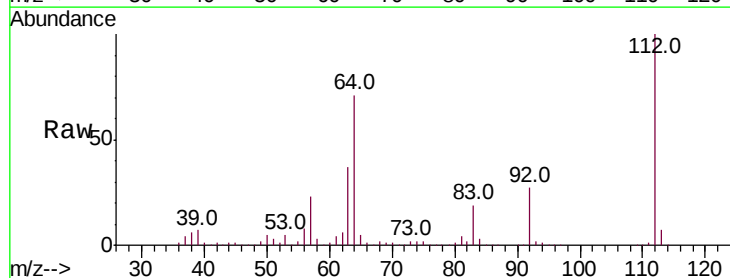
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



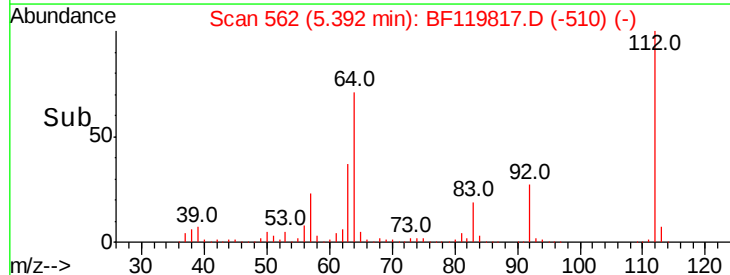
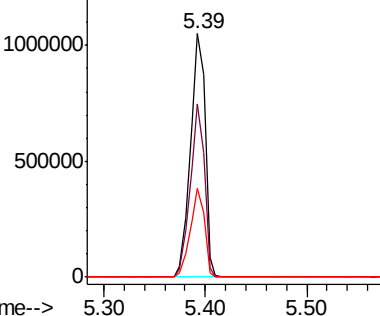
#5

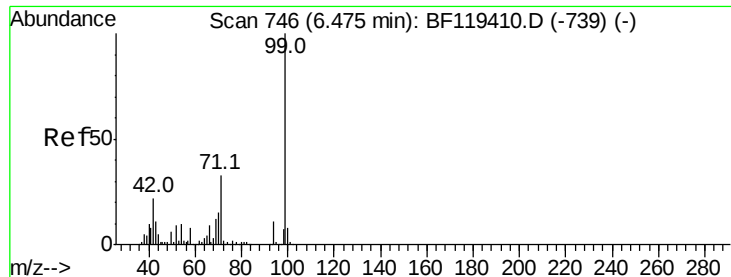
2-Fluorophenol
Concen: 108.280 ng
RT: 5.39 min Scan# 562
Delta R.T. 0.01 min
Lab File: BF119817.D
Acq: 7 Apr 2020 13:01

Tgt Ion:112 Resp: 1062553
Ion Ratio Lower Upper
112 100
64 71.3 56.7 85.1
63 36.6 29.5 44.3



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: 105.993 ng

RT: 6.42 min Scan# 736

Delta R.T. -0.00 min

Lab File: BF119817.D

Acq: 7 Apr 2020 13:01

Instrument :

BNA_F

ClientSampleId :

HR-06-040220

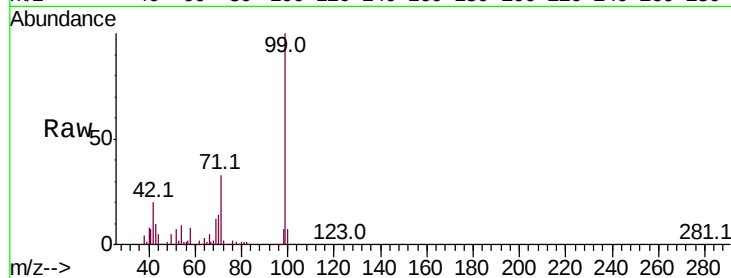
Tot Ion: 99 Resp: 1328669

Ion Ratio Lower Upper

99 100

42 20.0 16.6 24.8

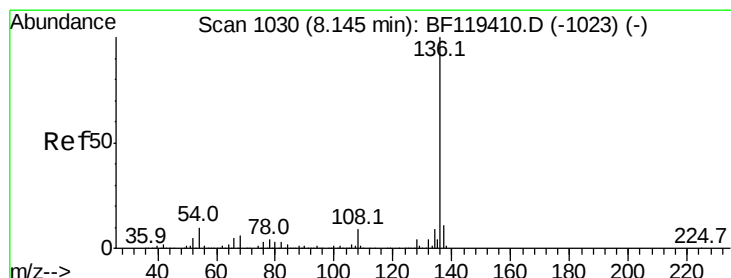
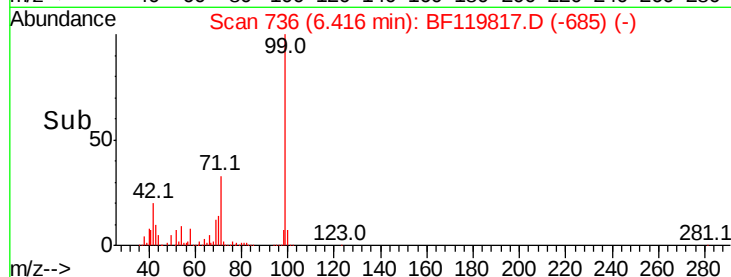
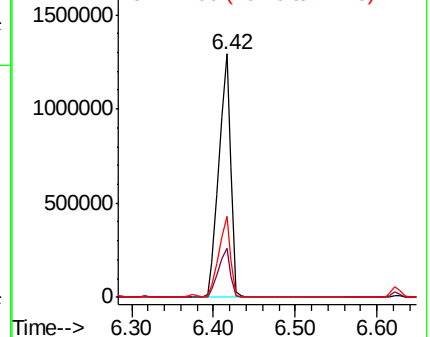
71 33.1 26.4 39.6



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



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.07 min Scan# 1017

Delta R.T. -0.01 min

Lab File: BF119817.D

Acq: 7 Apr 2020 13:01

Tgt Ion: 136 Resp: 563295

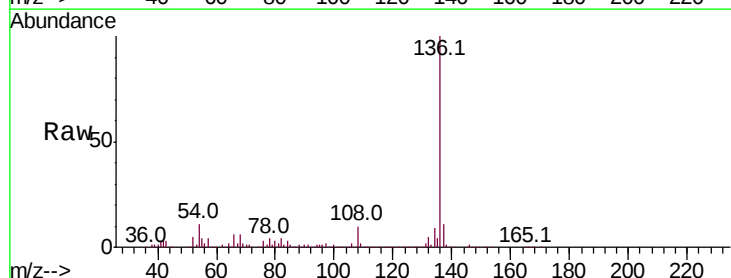
Ion Ratio Lower Upper

136 100

137 11.1 8.7 13.1

54 10.9 9.1 13.7

68 6.0 4.6 6.8

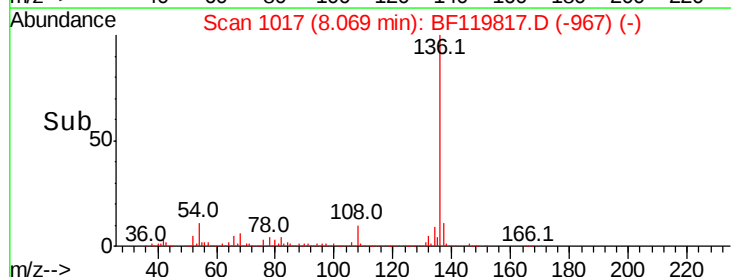
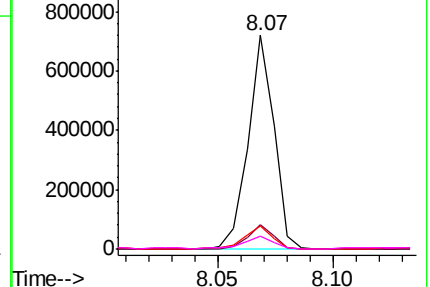


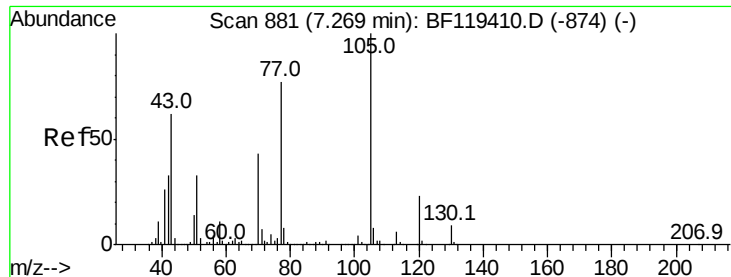
Abundance Ion 136.00 (135.70 to 136.70): E

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





#22

Acetophenone

Concen: 3.175 ng

RT: 7.18 min Scan# 866

Delta R.T. -0.02 min

Lab File: BF119817.D

Acq: 7 Apr 2020 13:01

Instrument :

BNA_F

ClientSampleId :

HR-06-040220

Tot Ion:105 Resp: 42730

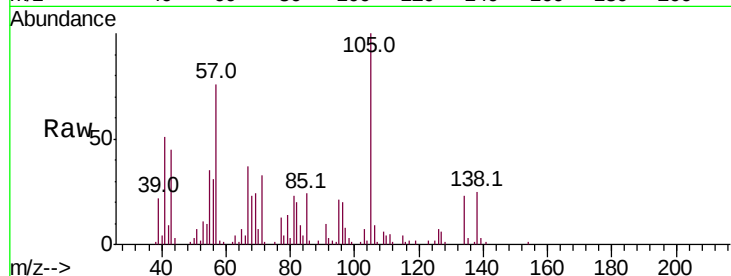
Ion Ratio Lower Upper

105 100

71 33.3 5.7 8.5#

51 7.1 26.2 39.4#

120 0.0 18.3 27.5#

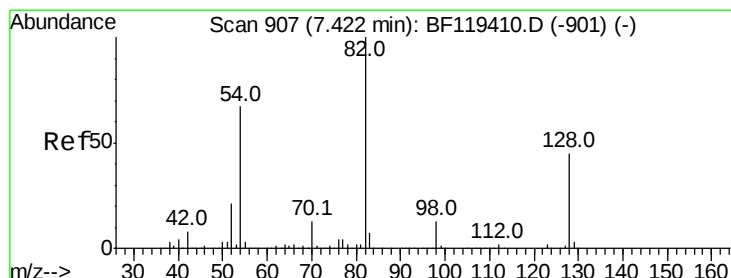
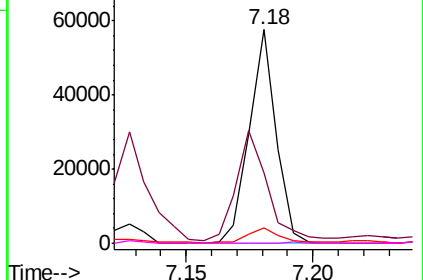
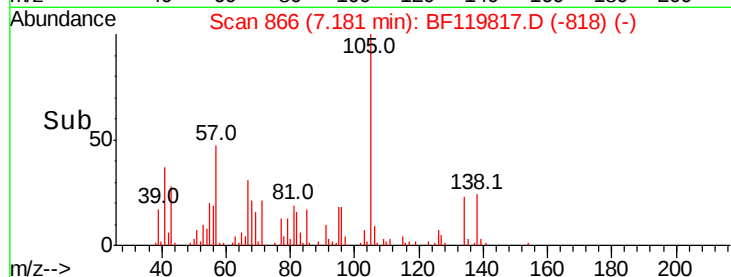


Abundance Ion 105.00 (104.70 to 105.70): E

Ion 71.00 (70.70 to 71.70): BF1

Ion 51.00 (50.70 to 51.70): BF1

Ion 120.00 (119.70 to 120.70): E



#23

Nitrobenzene-d5

Concen: 78.309 ng

RT: 7.35 min Scan# 894

Delta R.T. -0.01 min

Lab File: BF119817.D

Acq: 7 Apr 2020 13:01

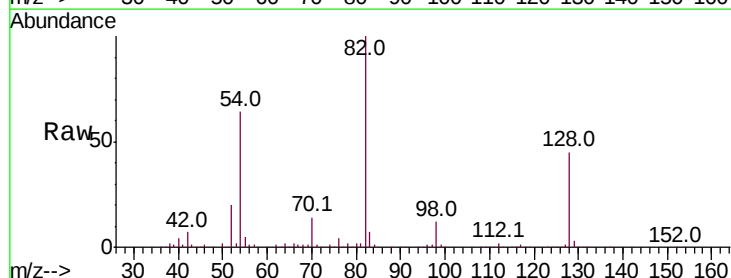
Tgt Ion: 82 Resp: 811647

Ion Ratio Lower Upper

82 100

128 44.8 36.3 54.5

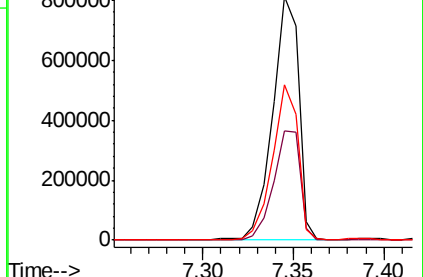
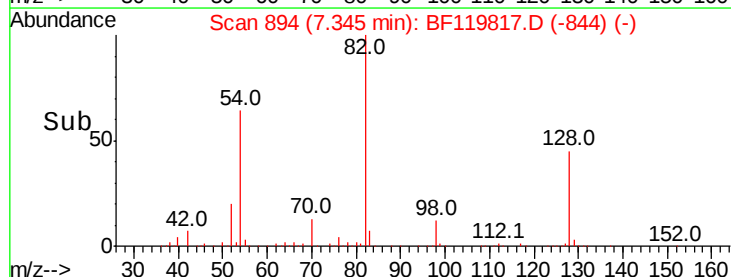
54 63.5 50.6 75.8

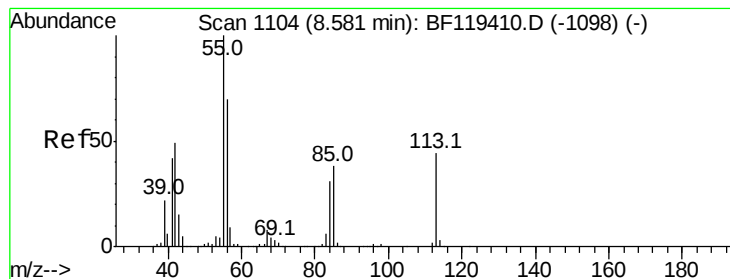


Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF1





#35

Caprolactam

Concen: 4.302 ng

RT: 8.50 min Scan# 1090

Delta R.T. -0.02 min

Lab File: BF119817.D

Acq: 7 Apr 2020 13:01

Instrument :

BNA_F

ClientSampleId :

HR-06-040220

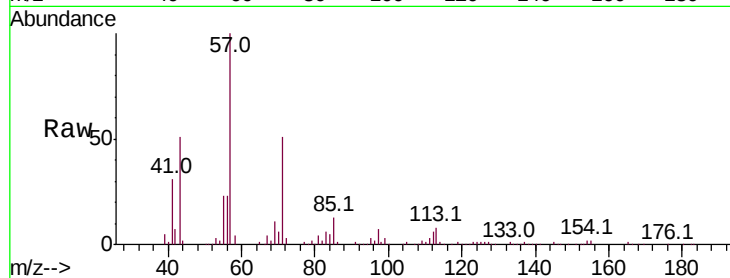
Tot Ion:113 Resp: 11666

Ion Ratio Lower Upper

113 100

55 295.3 218.4 258.4#

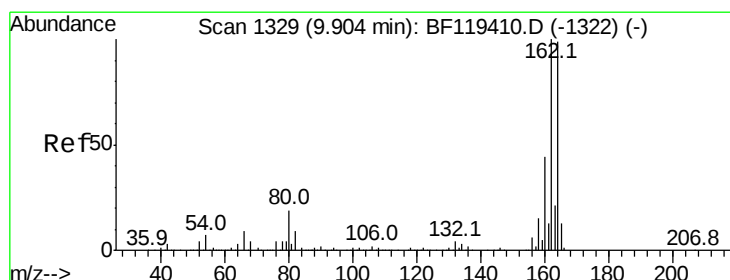
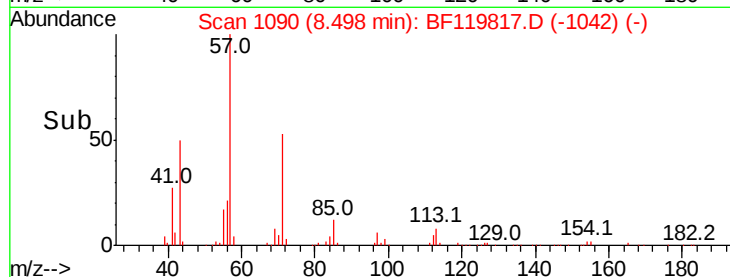
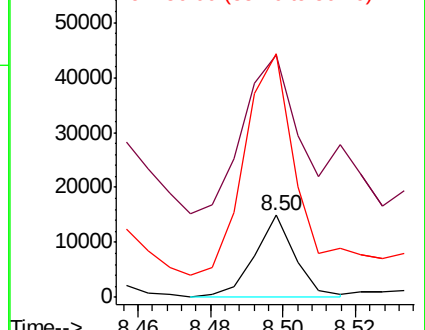
56 296.4 148.9 188.9#



Abundance Ion 113.00 (112.70 to 113.70): E

Ion 55.00 (54.70 to 55.70): BF1

Ion 56.00 (55.70 to 56.70): BF1



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.83 min Scan# 1316

Delta R.T. -0.01 min

Lab File: BF119817.D

Acq: 7 Apr 2020 13:01

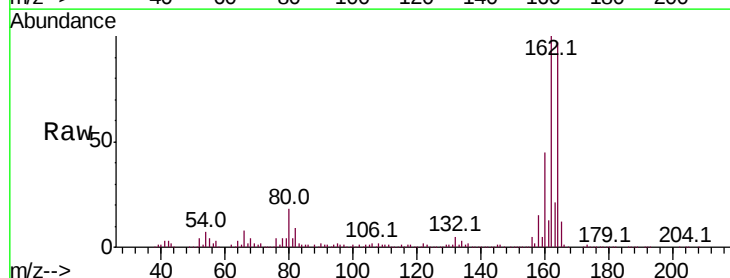
Tgt Ion:164 Resp: 274294

Ion Ratio Lower Upper

164 100

162 103.6 80.6 121.0

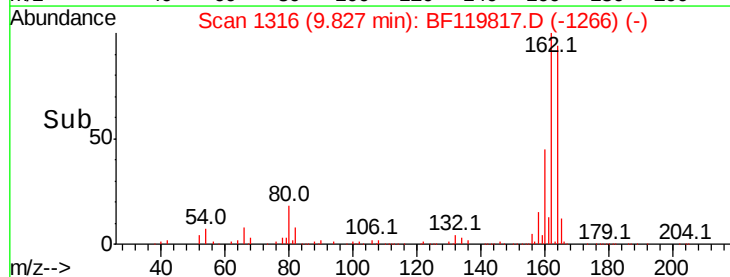
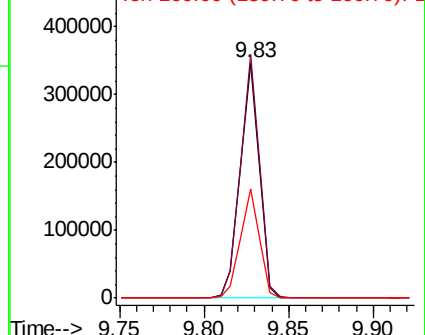
160 46.7 35.7 53.5

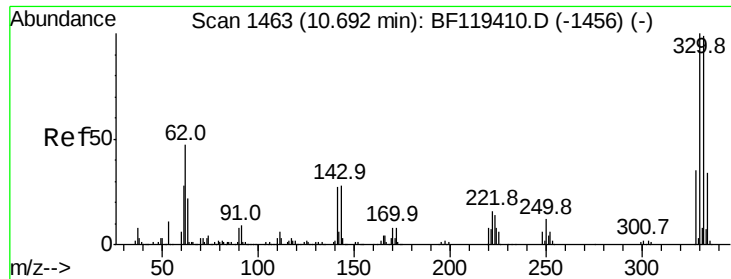


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

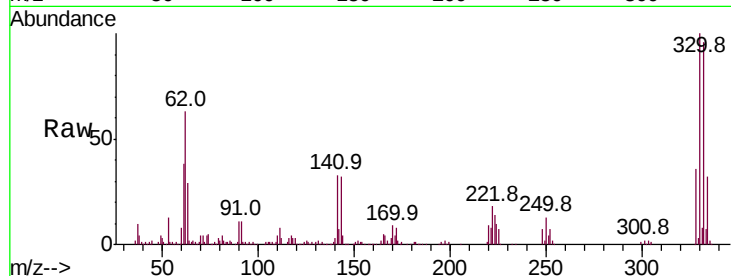




#42
 2,4,6-Tribromophenol
 Concen: 118.003 ng
 RT: 10.62 min Scan# 1450
 Delta R.T. -0.01 min
 Lab File: BF119817.D
 Acq: 7 Apr 2020 13:01

Instrument :
 BNA_F
 ClientSampleId :
 HR-06-040220

Tot Ion	Ratio	Lower	Upper
330	100		
332	95.6	75.7	113.5
141	31.1	25.4	38.0

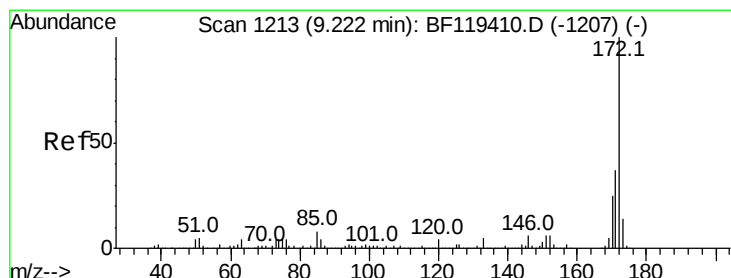
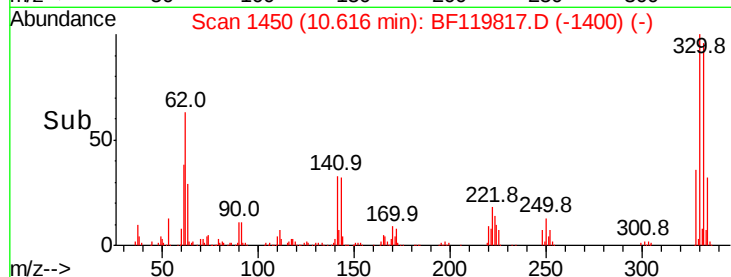
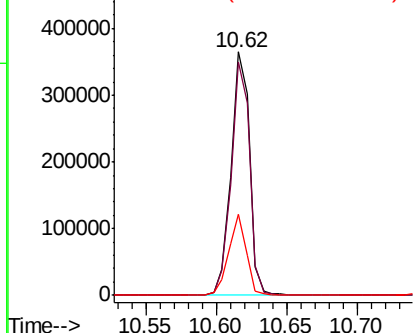


Abundance

Ion 329.80 (329.50 to 330.50): E

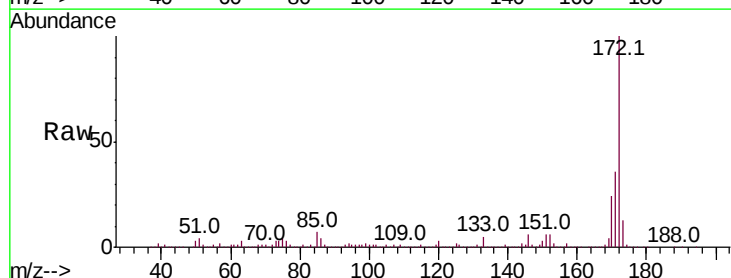
Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



#45
 2-Fluorobiphenyl
 Concen: 78.719 ng
 RT: 9.15 min Scan# 1201
 Delta R.T. -0.00 min
 Lab File: BF119817.D
 Acq: 7 Apr 2020 13:01

Tgt Ion	Ratio	Lower	Upper
172	100		
171	35.9	29.6	44.4
170	24.2	20.2	30.2

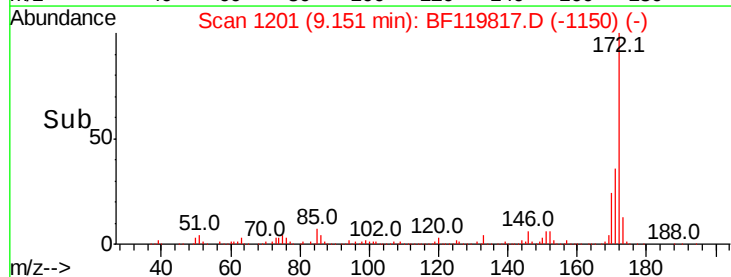
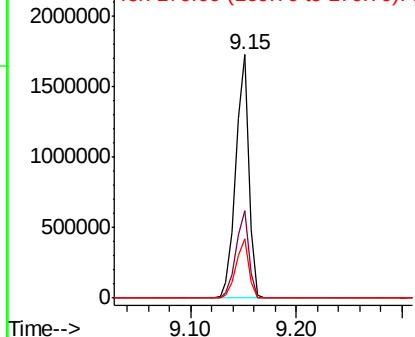


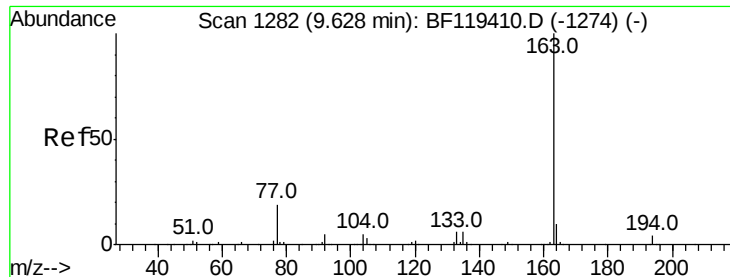
Abundance

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

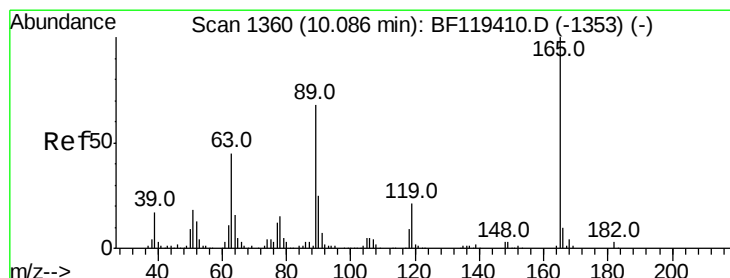
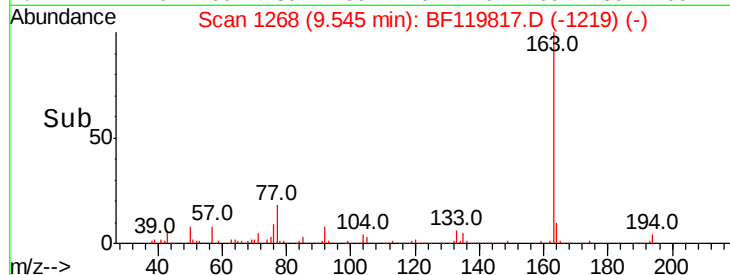
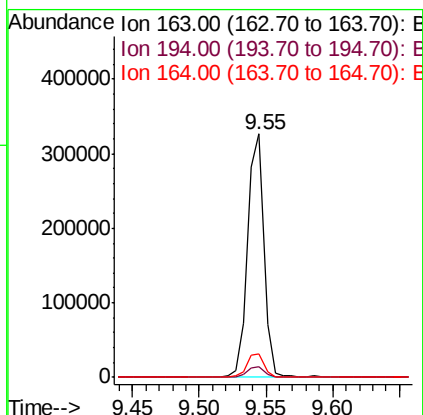
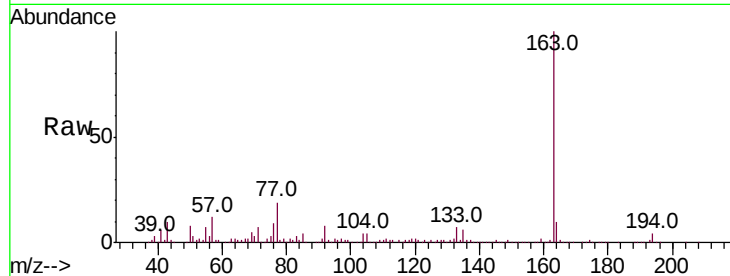




#50
Dimethylphthalate
Concen: 14.020 ng
RT: 9.55 min Scan# 1268
Delta R.T. -0.01 min
Lab File: BF119817.D
Acq: 7 Apr 2020 13:01

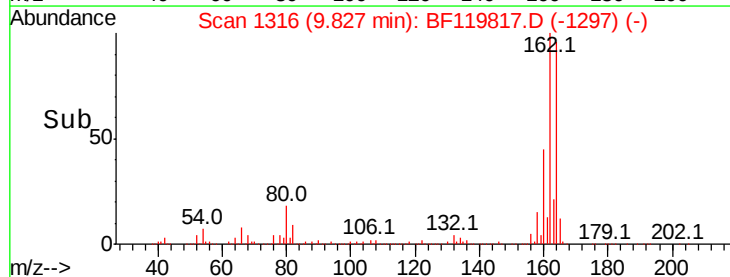
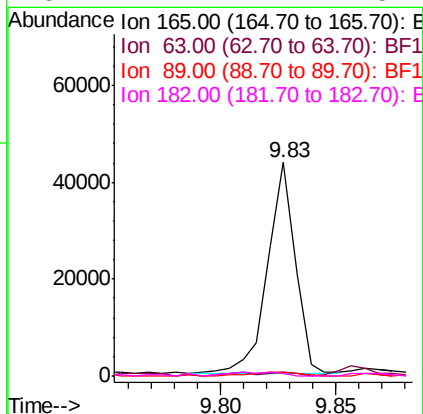
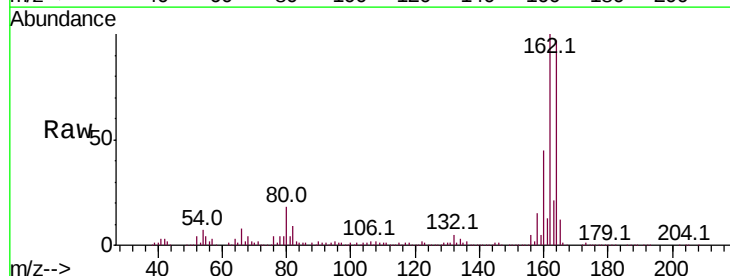
Instrument :
BNA_F
ClientSampleId :
HR-06-040220

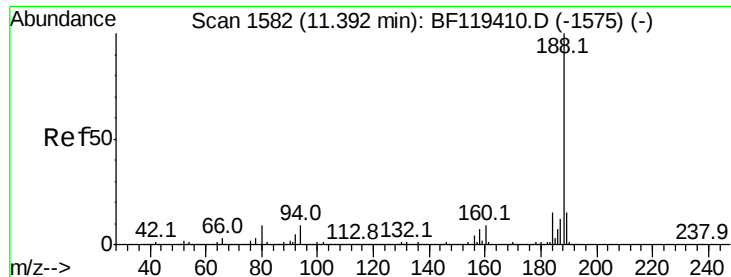
Tot Ion	Ratio	Lower	Upper
163	100		
194	4.1	3.1	4.7
164	9.8	8.2	12.2



#57
2,4-Dinitrotoluene
Concen: 6.929 ng
RT: 9.83 min Scan# 1316
Delta R.T. -0.19 min
Lab File: BF119817.D
Acq: 7 Apr 2020 13:01

Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.9	42.6	64.0#
89	1.6	61.0	91.4#
182	1.1	2.2	3.2#





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.32 min Scan# 1569

Delta R.T. -0.00 min

Lab File: BF119817.D

Acq: 7 Apr 2020 13:01

Instrument :

BNA_F

ClientSampleId :

HR-06-040220

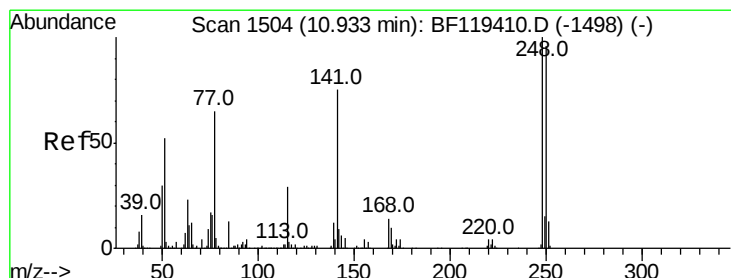
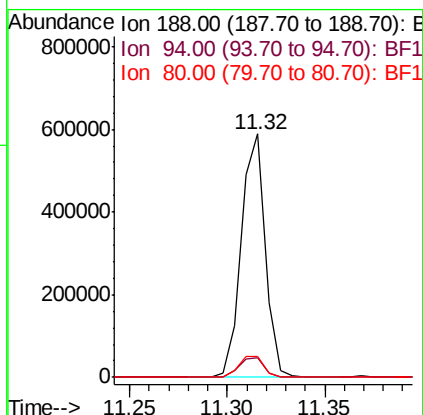
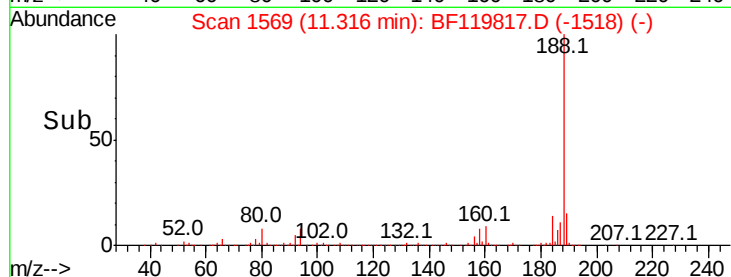
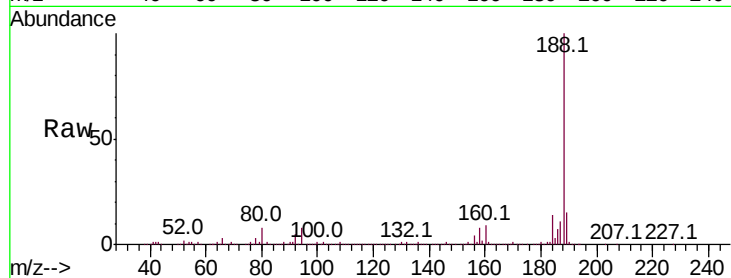
Tot Ion:188 Resp: 501046

Ion Ratio Lower Upper

188 100

94 7.9 7.5 11.3

80 8.4 9.0 13.4#



#67

4-Bromophenyl-phenylether

Concen: 3.624 ng

RT: 10.62 min Scan# 1450

Delta R.T. -0.25 min

Lab File: BF119817.D

Acq: 7 Apr 2020 13:01

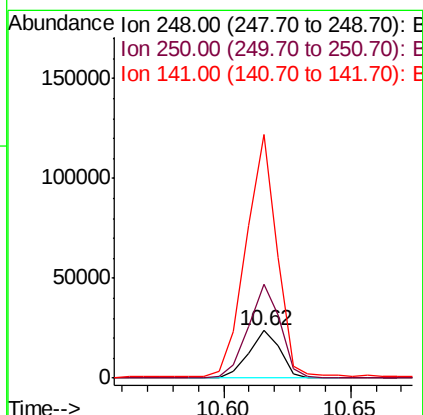
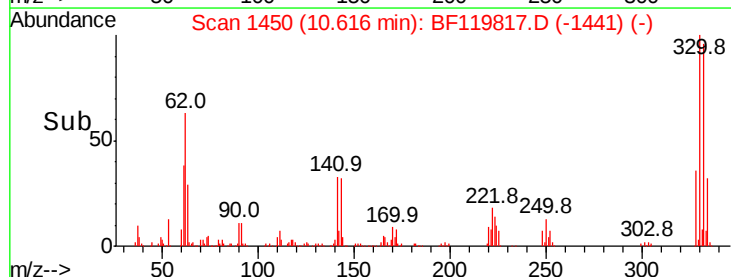
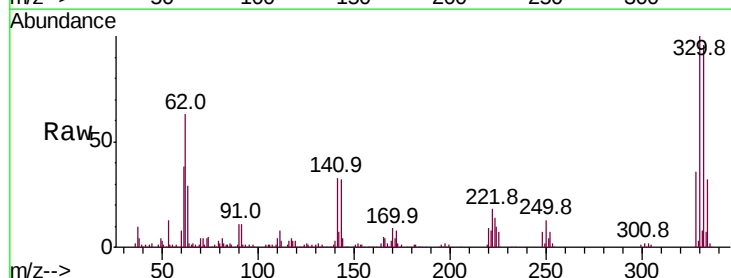
Tgt Ion:248 Resp: 20679

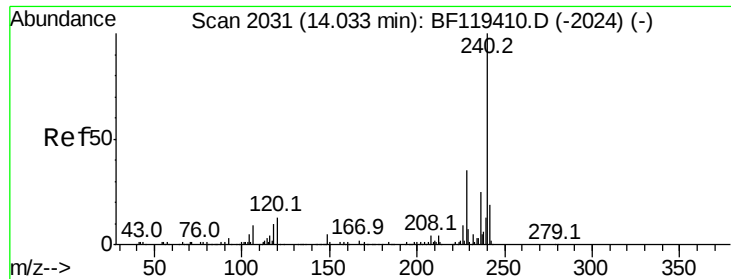
Ion Ratio Lower Upper

248 100

250 198.0 77.3 115.9#

141 513.8 58.6 87.8#





#76

Chrysene-d12

Concen: 20.000 ng

RT: 13.96 min Scan# 2018

Delta R.T. -0.00 min

Lab File: BF119817.D

Acq: 7 Apr 2020 13:01

Instrument :

BNA_F

ClientSampleId :

HR-06-040220

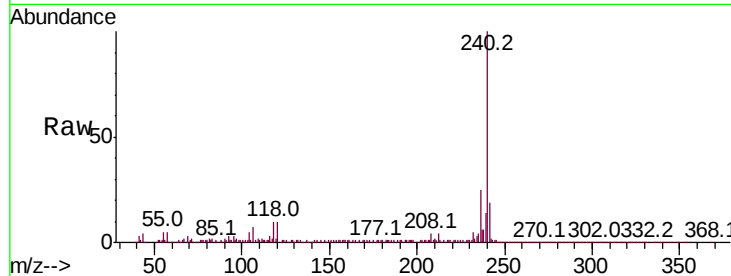
Tot Ion:240 Resp: 349713

Ion Ratio Lower Upper

240 100

120 10.1 10.6 15.8#

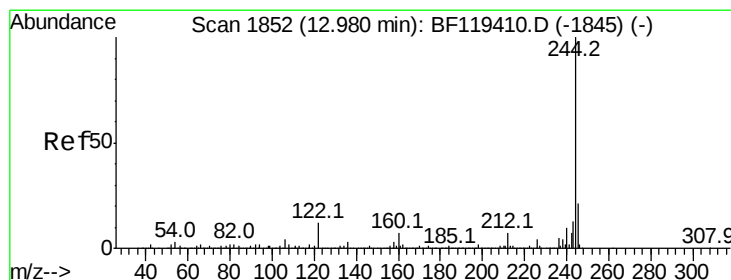
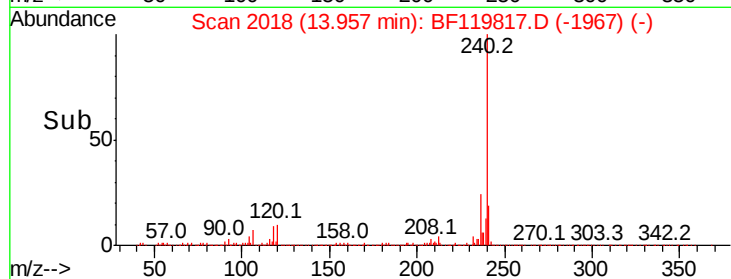
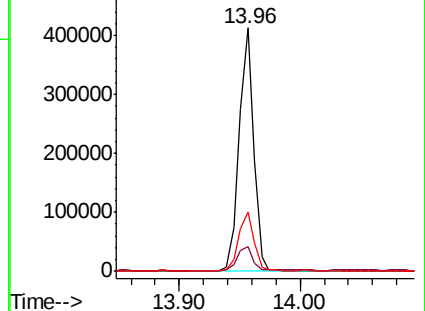
236 24.6 20.2 30.2



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: 82.101 ng

RT: 12.90 min Scan# 1839

Delta R.T. -0.00 min

Lab File: BF119817.D

Acq: 7 Apr 2020 13:01

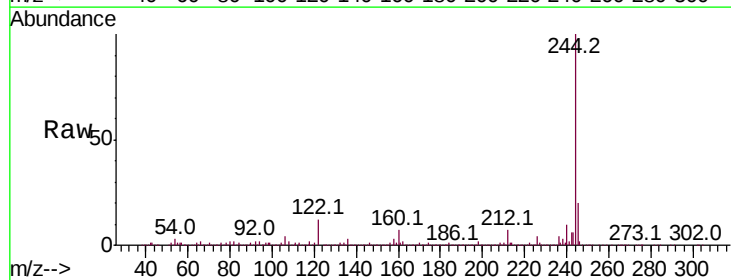
Tgt Ion:244 Resp: 1465484

Ion Ratio Lower Upper

244 100

212 6.7 5.8 8.8

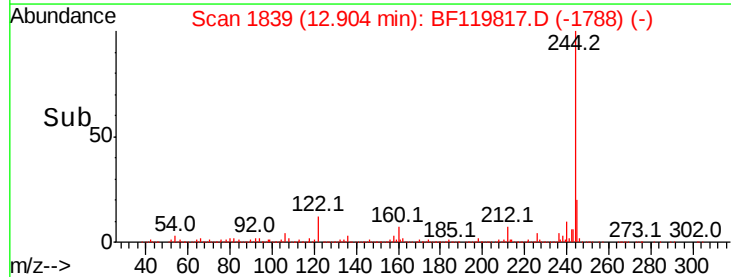
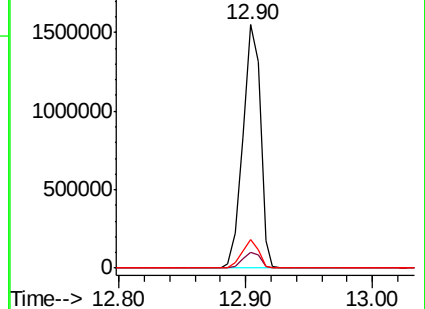
122 12.0 10.3 15.5

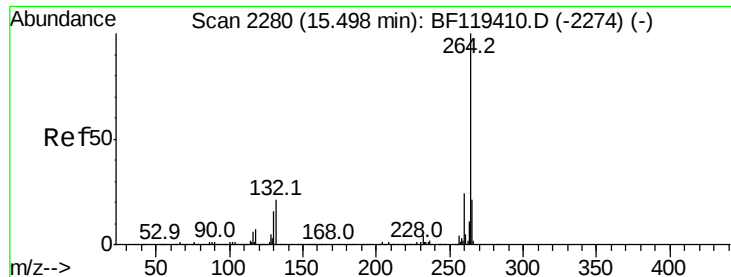


Abundance Ion 244.00 (243.70 to 244.70): E

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: 15.41 min Scan# 2265
Delta R.T. 0.01 min
Lab File: BF119817.D
Acq: 7 Apr 2020 13:01

Instrument :
BNA_F
ClientSampleId :
HR-06-040220

Tot Ion	Ratio	Lower	Upper
264	100		
260	24.1	18.7	28.1
265	22.9	17.7	26.5

