

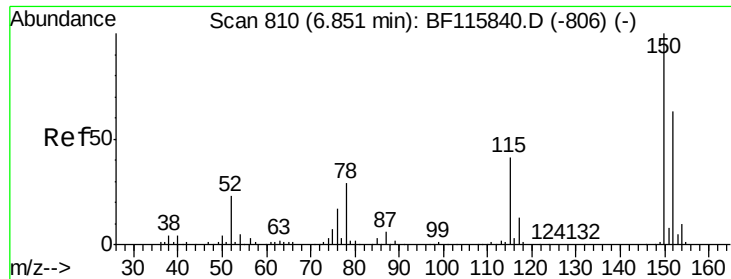
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF080919\
 Data File : BF116106.D
 Acq On : 9 Aug 2019 11:57
 Operator : HP/JU
 Sample : PB122075BL
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Aug 10 02:10:36 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF073019.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Aug 07 11:13:18 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.84	152	143815	20.00	ng	0.00
21) Naphthalene-d8	8.12	136	560309	20.00	ng	-0.01
39) Acenaphthene-d10	9.87	164	297080	20.00	ng	-0.02
64) Phenanthrene-d10	11.36	188	520293	20.00	ng	-0.01
76) Chrysene-d12	14.00	240	360869	20.00	ng	-0.01
87) Perylene-d12	15.47	264	327020	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.47	112	1019085	118.63	ng	0.00
7) Phenol-d6	6.48	99	1315379	121.36	ng	0.00
23) Nitrobenzene-d5	7.40	82	873706	90.01	ng	-0.01
42) 2,4,6-Tribromophenol	10.66	330	357873	124.25	ng	-0.01
45) 2-Fluorobiphenyl	9.19	172	1481732	93.42	ng	-0.01
79) Terphenyl-d14	12.94	244	1594271	93.09	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	7.40	70	116082	17.283	ng	# 78
25) Isophorone	7.40	82	874958	47.140	ng	# 65
51) 2,6-Dinitrotoluene	9.87	165	37609	8.556	ng	# 29
57) 2,4-Dinitrotoluene	9.87	165	37610	6.426	ng	# 20
67) 4-Bromophenyl-phenylether	10.66	248	21318	3.827	ng	# 1

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

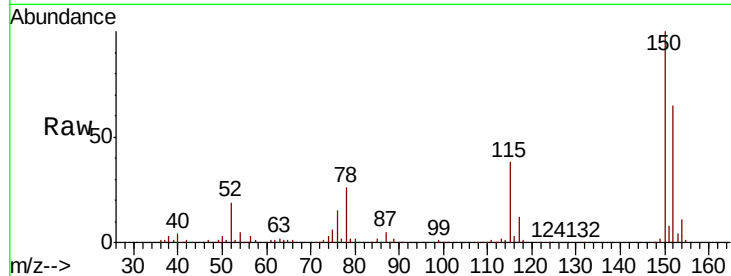


#1

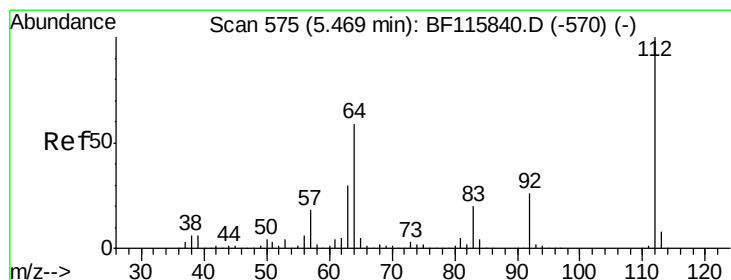
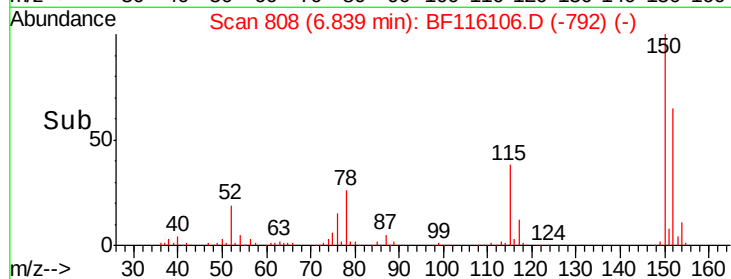
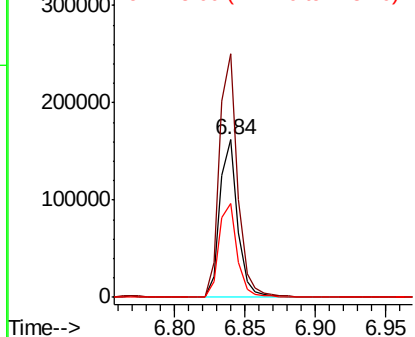
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.84 min Scan# 808
Delta R.T. -0.01 min
Lab File: BF116106.D
Acq: 9 Aug 2019 11:57

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 143815
Ion Ratio Lower Upper
152 100
150 154.4 126.2 189.2
115 59.3 49.9 74.9



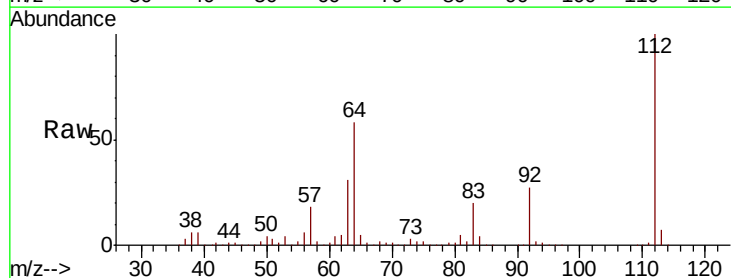
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



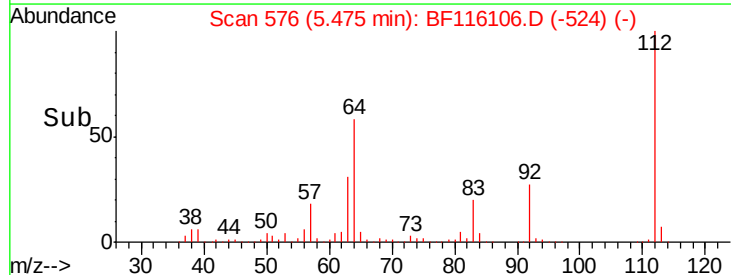
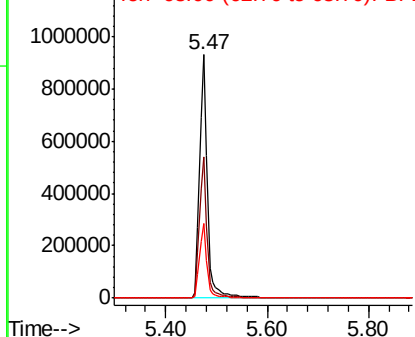
#5

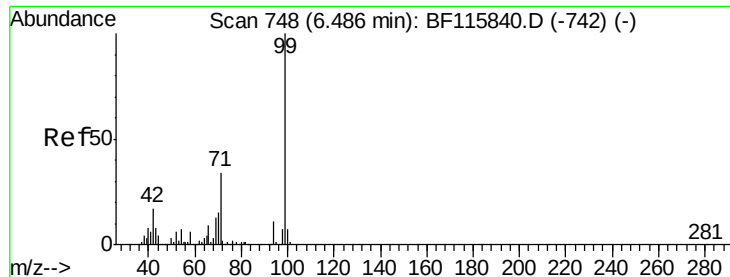
2-Fluorophenol
Concen: 118.625 ng
RT: 5.47 min Scan# 576
Delta R.T. 0.01 min
Lab File: BF116106.D
Acq: 9 Aug 2019 11:57

Tgt Ion:112 Resp: 1019085
Ion Ratio Lower Upper
112 100
64 58.1 45.4 68.2
63 30.6 23.7 35.5



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: 121.359 ng

RT: 6.48 min Scan# 747

Delta R.T. -0.01 min

Lab File: BF116106.D

Acq: 9 Aug 2019 11:57

Instrument :

BNA_F

ClientSampleId :

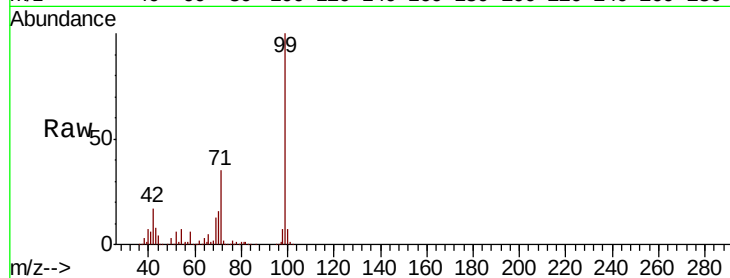
Tot Ion: 99 Resp: 1315379

Ion Ratio Lower Upper

99 100

42 17.0 13.8 20.8

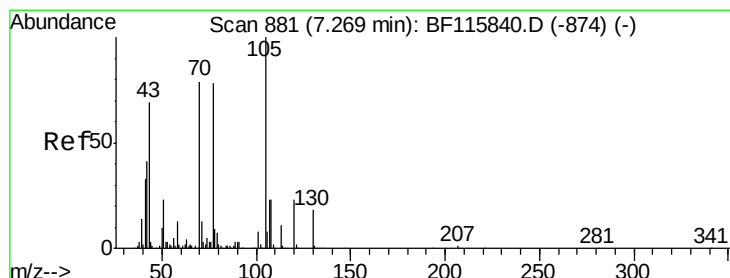
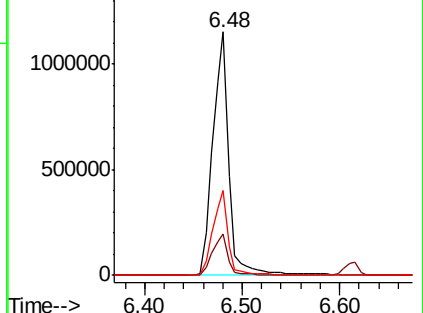
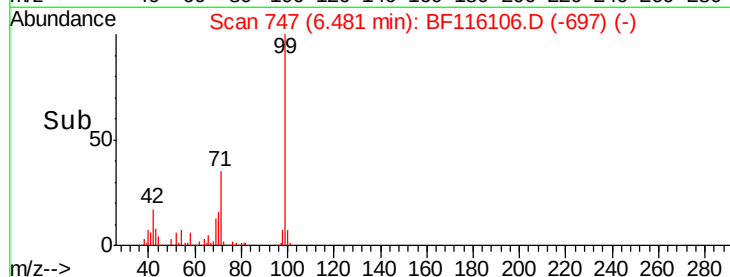
71 34.8 27.3 40.9



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: 17.283 ng

RT: 7.40 min Scan# 904

Delta R.T. 0.14 min

Lab File: BF116106.D

Acq: 9 Aug 2019 11:57

Tgt Ion: 70 Resp: 116082

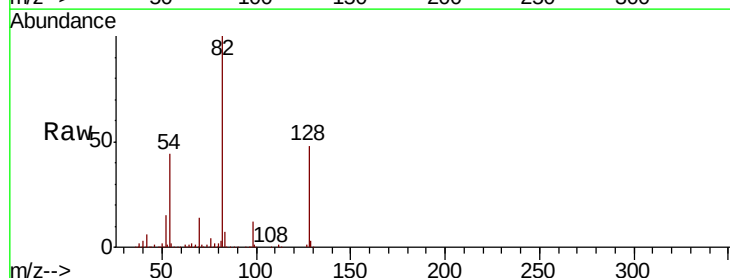
Ion Ratio Lower Upper

70 100

42 41.7 40.9 61.3

101 0.0 7.9 11.9#

130 2.2 16.9 25.3#

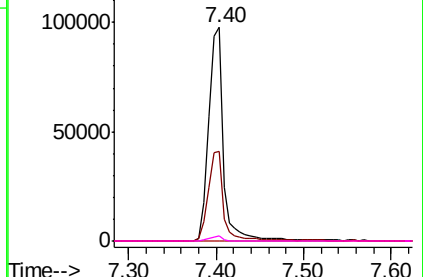
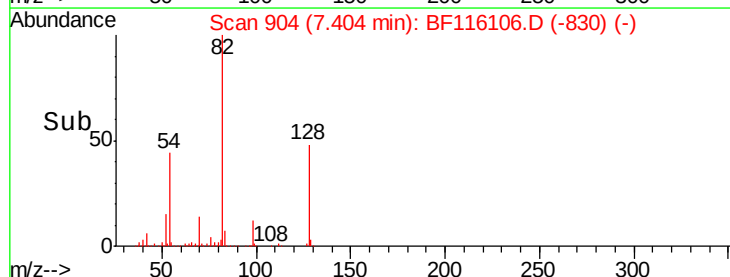


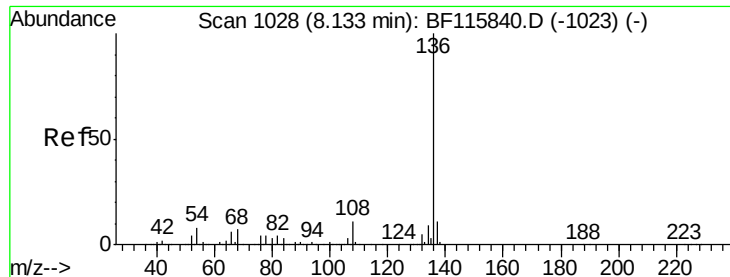
Abundance Ion 70.00 (69.70 to 70.70): BF1

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# 1025

Delta R.T. -0.01 min

Lab File: BF116106.D

Acq: 9 Aug 2019 11:57

Instrument :

BNA_F

ClientSampleId :

Tot Ion:136 Resp: 560309

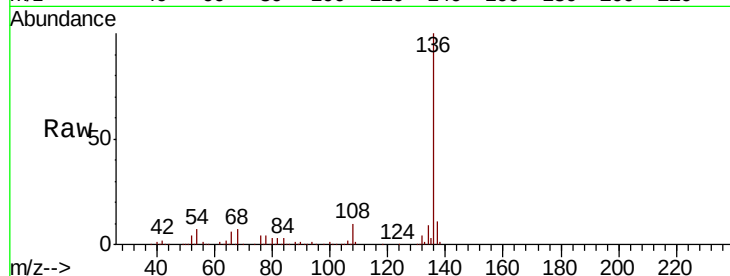
Ion Ratio Lower Upper

136 100

137 10.9 9.0 13.4

54 7.2 5.8 8.6

68 6.6 5.2 7.8

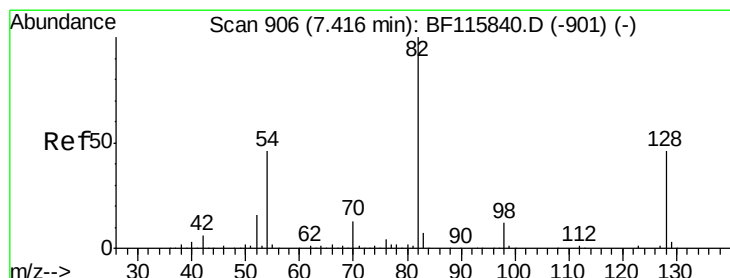
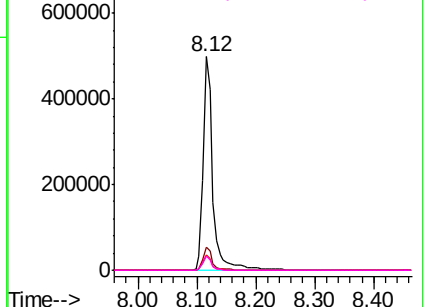
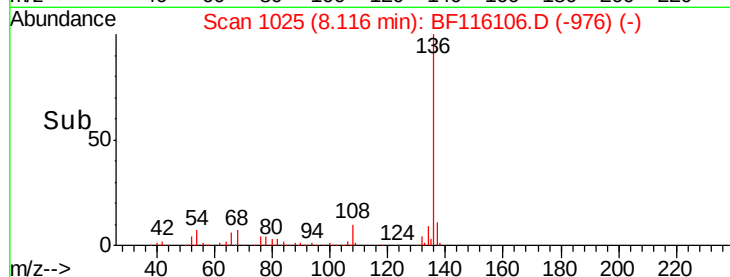


Abundance Ion 136.00 (135.70 to 136.70): E

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



#23

Nitrobenzene-d5

Concen: 90.009 ng

RT: 7.40 min Scan# 904

Delta R.T. -0.01 min

Lab File: BF116106.D

Acq: 9 Aug 2019 11:57

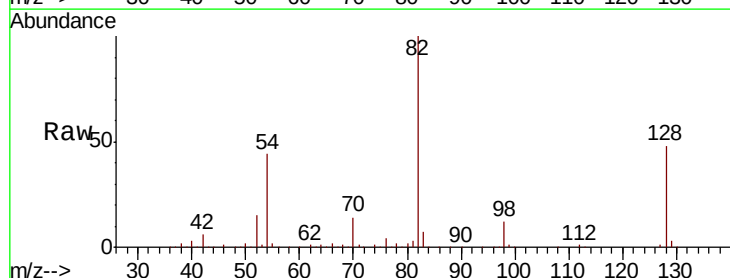
Tgt Ion: 82 Resp: 873706

Ion Ratio Lower Upper

82 100

128 47.7 36.5 54.7

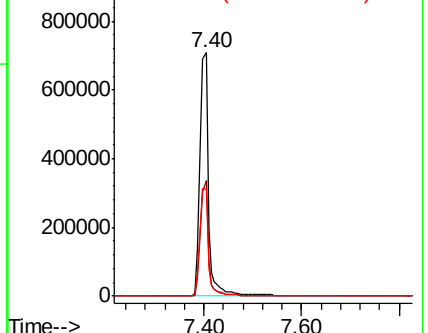
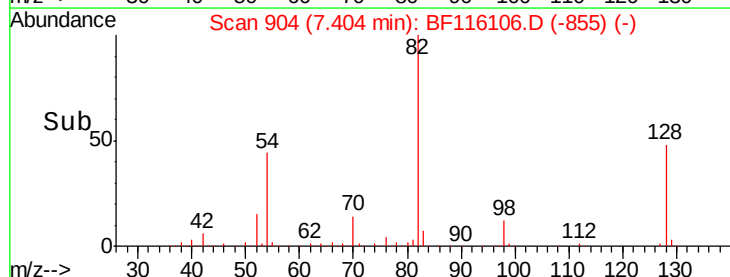
54 43.9 36.0 54.0

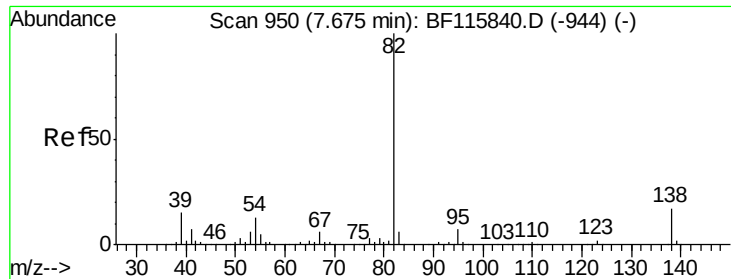


Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF1





#25

Isophorone

Concen: 47.140 ng

RT: 7.40 min Scan# 904

Delta R.T. -0.27 min

Lab File: BF116106.D

Acq: 9 Aug 2019 11:57

Instrument :

BNA_F

ClientSampled :

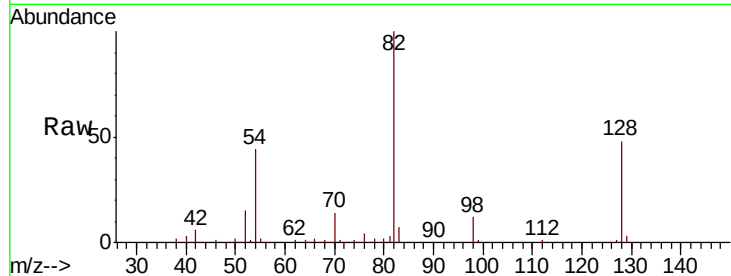
Tot Ion: 82 Resp: 874958

Ion Ratio Lower Upper

82 100

95 0.0 5.4 8.0#

138 0.0 14.5 21.7#



Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 95.00 (94.70 to 95.70): BF1

Ion 138.00 (137.70 to 138.70): BF1

800000

600000

400000

200000

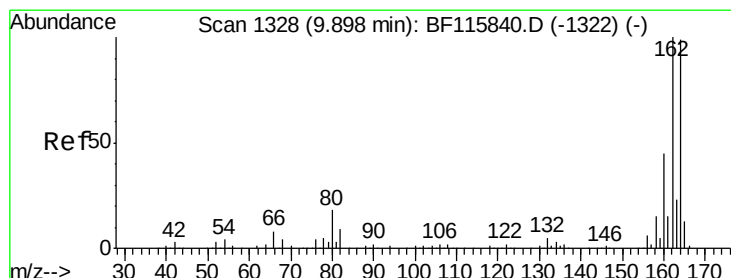
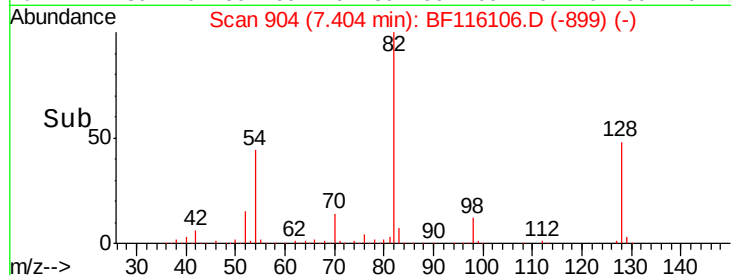
0

7.40

7.60

7.80

Time-->



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.87 min Scan# 1323

Delta R.T. -0.02 min

Lab File: BF116106.D

Acq: 9 Aug 2019 11:57

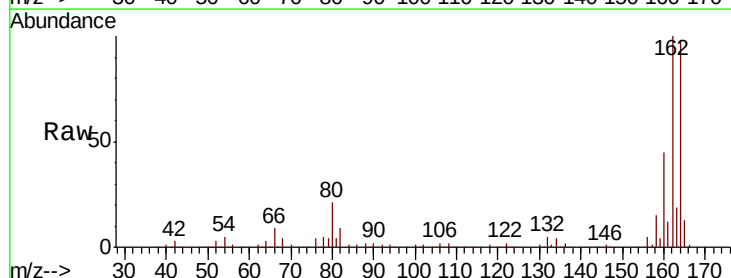
Tgt Ion: 164 Resp: 297080

Ion Ratio Lower Upper

164 100

162 101.7 82.6 124.0

160 45.9 37.6 56.4



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

300000

200000

100000

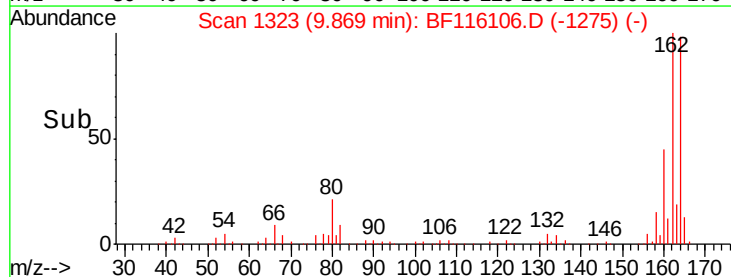
0

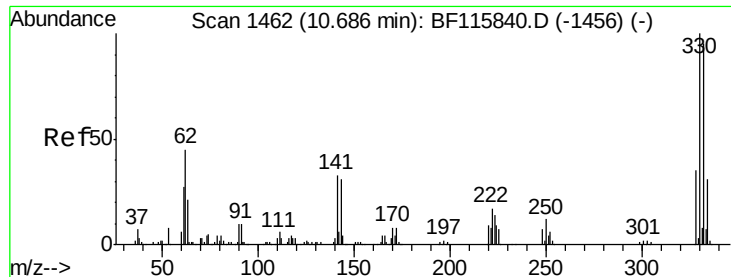
9.87

9.90

10.00

Time-->

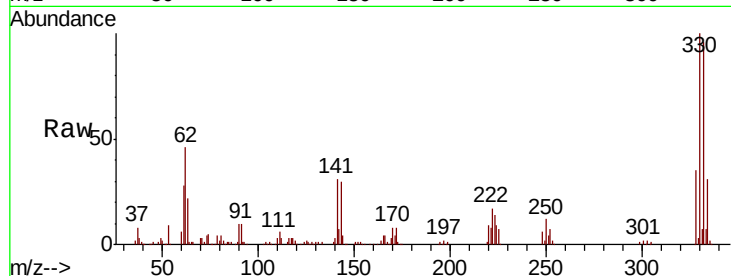




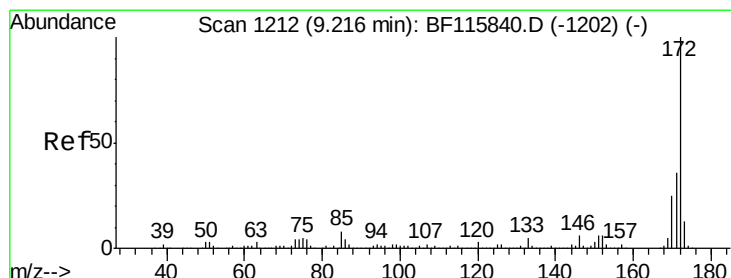
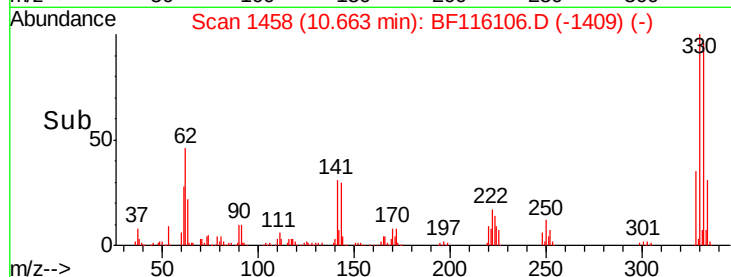
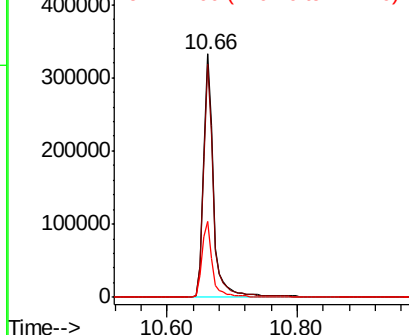
#42
 2,4,6-Tribromophenol
 Concen: 124.250 ng
 RT: 10.66 min Scan# 1458
 Delta R.T. -0.01 min
 Lab File: BF116106.D
 Acq: 9 Aug 2019 11:57

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:330 Resp: 357873
 Ion Ratio Lower Upper
 330 100
 332 95.3 76.8 115.2
 141 32.8 26.3 39.5

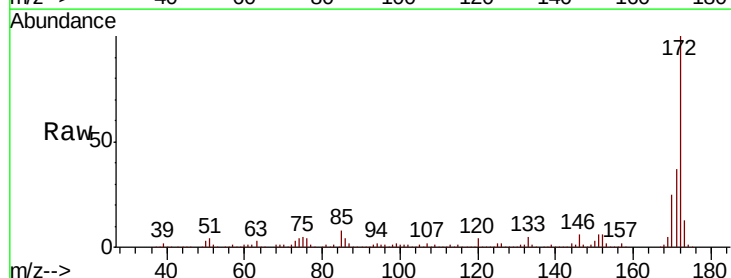


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

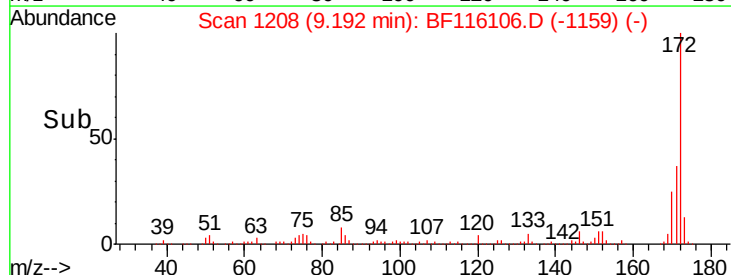
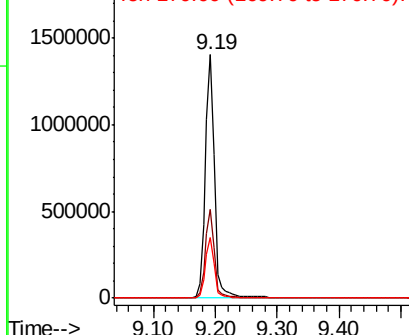


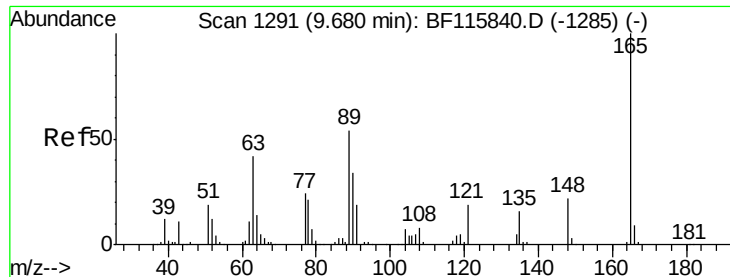
#45
 2-Fluorobiphenyl
 Concen: 93.422 ng
 RT: 9.19 min Scan# 1208
 Delta R.T. -0.01 min
 Lab File: BF116106.D
 Acq: 9 Aug 2019 11:57

Tgt Ion:172 Resp: 1481732
 Ion Ratio Lower Upper
 172 100
 171 36.6 29.6 44.4
 170 25.1 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

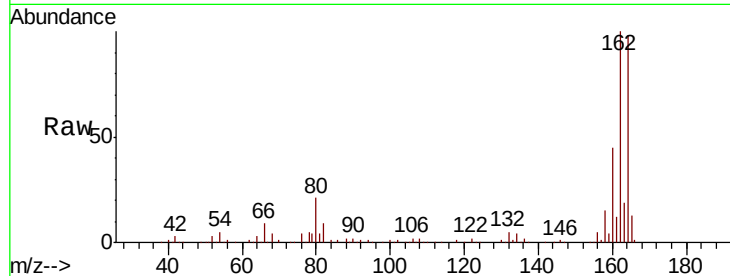




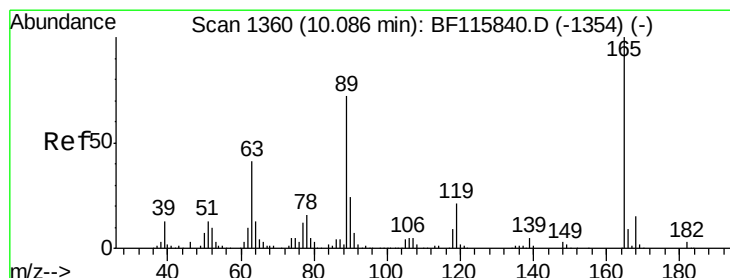
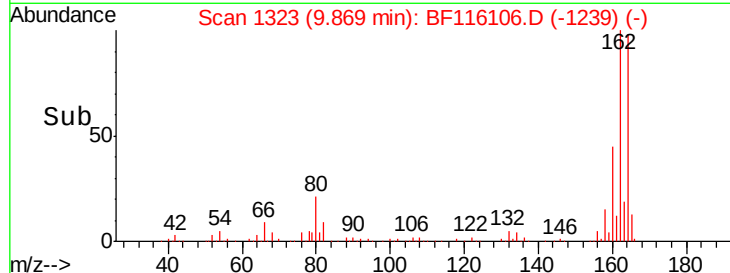
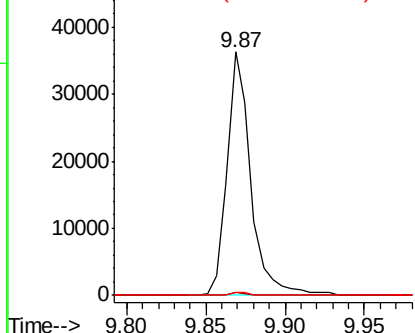
#51
 2,6-Dinitrotoluene
 Concen: 8.556 ng
 RT: 9.87 min Scan# 1323
 Delta R.T. 0.19 min
 Lab File: BF116106.D
 Acq: 9 Aug 2019 11:57

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
165	100		
63	1.1	38.2	57.2#
89	1.3	42.9	64.3#



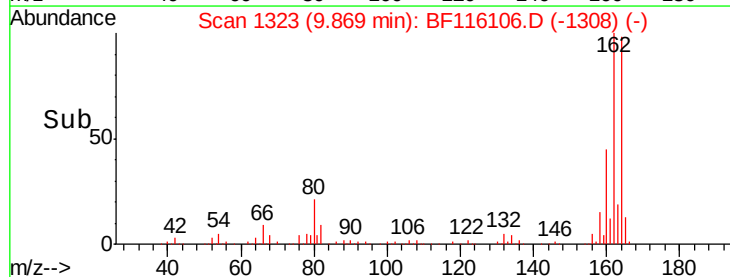
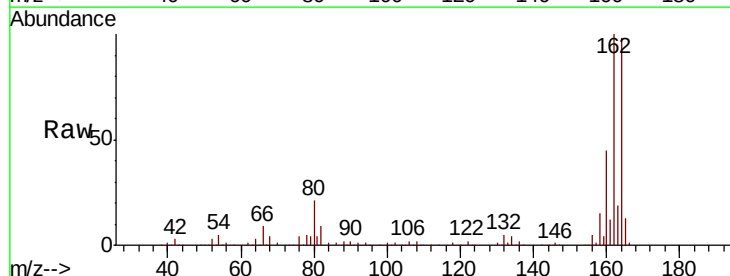
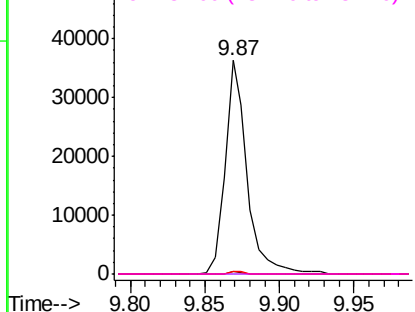
Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BF1
 Ion 89.00 (88.70 to 89.70): BF1

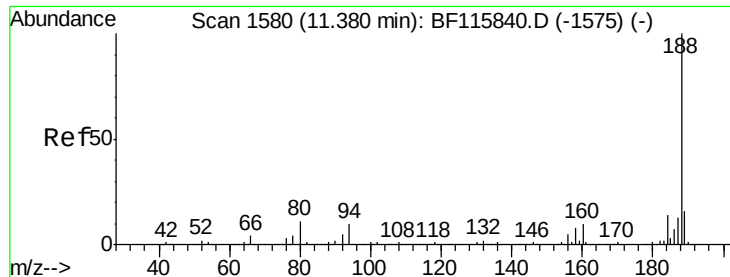


#57
 2,4-Dinitrotoluene
 Concen: 6.426 ng
 RT: 9.87 min Scan# 1323
 Delta R.T. -0.21 min
 Lab File: BF116106.D
 Acq: 9 Aug 2019 11:57

Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.1	39.6	59.4#
89	1.3	62.2	93.2#
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# 1576

Delta R.T. -0.01 min

Lab File: BF116106.D

Acq: 9 Aug 2019 11:57

Instrument :

BNA_F

ClientSampleId :

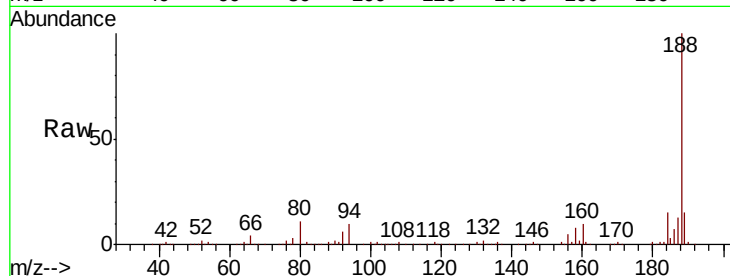
Tot Ion:188 Resp: 520293

Ion Ratio Lower Upper

188 100

94 10.1 8.1 12.1

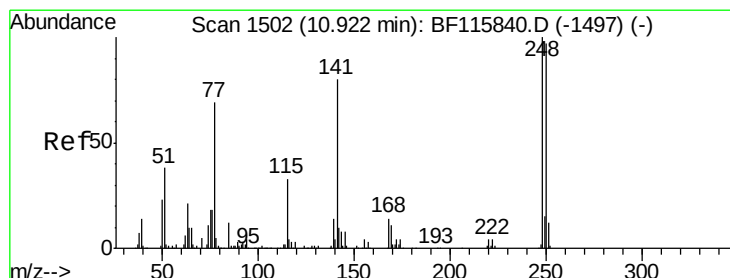
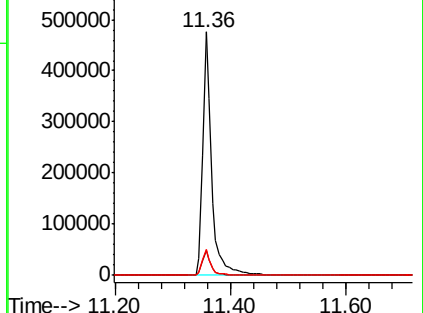
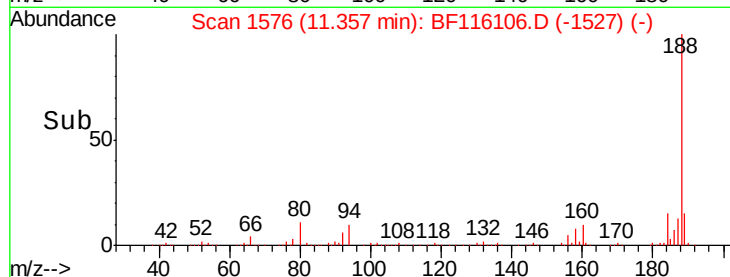
80 10.9 8.7 13.1



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: 3.827 ng

RT: 10.66 min Scan# 1458

Delta R.T. -0.25 min

Lab File: BF116106.D

Acq: 9 Aug 2019 11:57

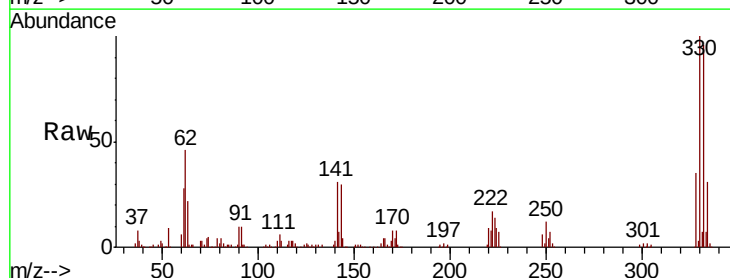
Tgt Ion:248 Resp: 21318

Ion Ratio Lower Upper

248 100

250 198.0 77.4 116.2#

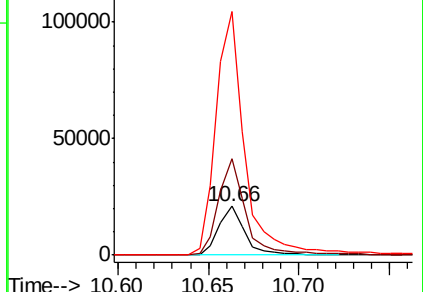
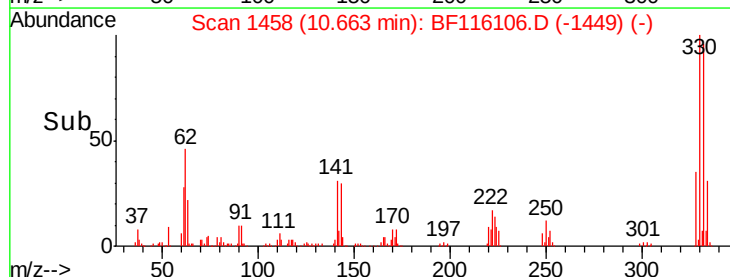
141 501.2 56.8 85.2#

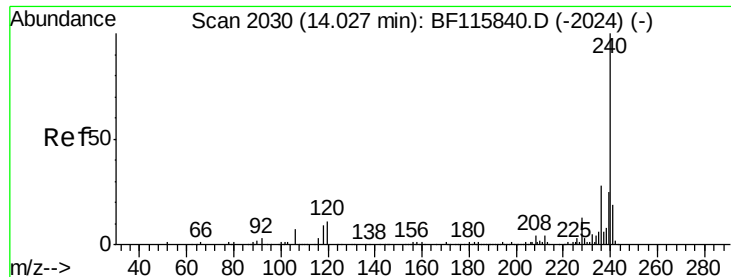


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E

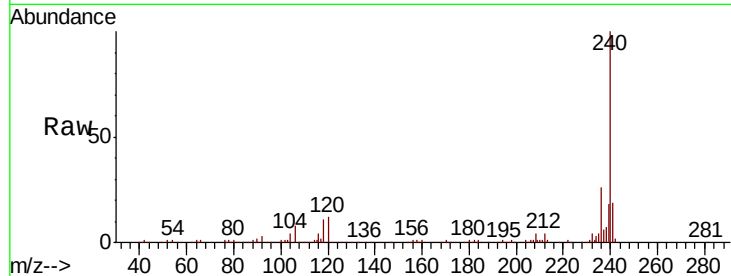




#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.00 min Scan# 2025
Delta R.T. -0.01 min
Lab File: BF116106.D
Acq: 9 Aug 2019 11:57

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
240	100		
120	12.1	10.7	16.1
236	26.3	22.2	33.2

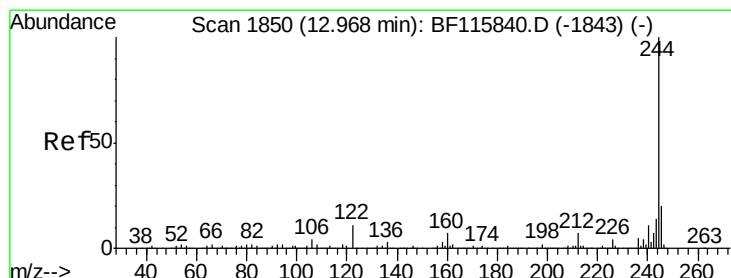
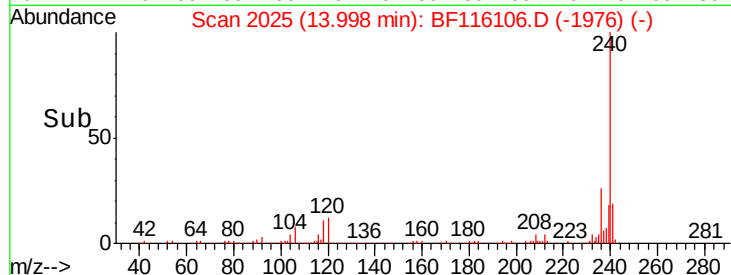
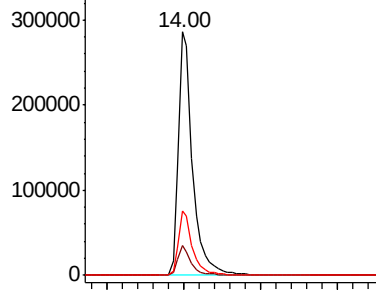


Abundance

Ion 240.00 (239.70 to 240.70): E

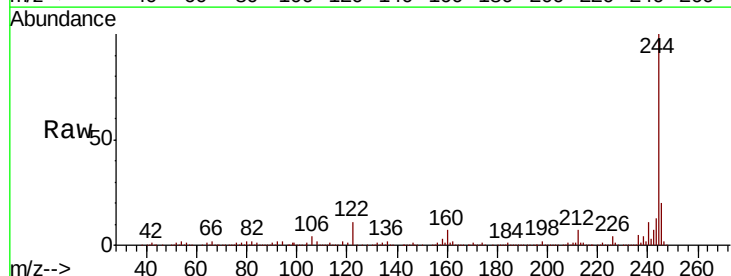
Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E



#79
Terphenyl-d14
Concen: 93.092 ng
RT: 12.94 min Scan# 1846
Delta R.T. -0.01 min
Lab File: BF116106.D
Acq: 9 Aug 2019 11:57

Tgt Ion	Ratio	Lower	Upper
244	100		
212	6.9	5.8	8.8
122	10.8	9.0	13.4

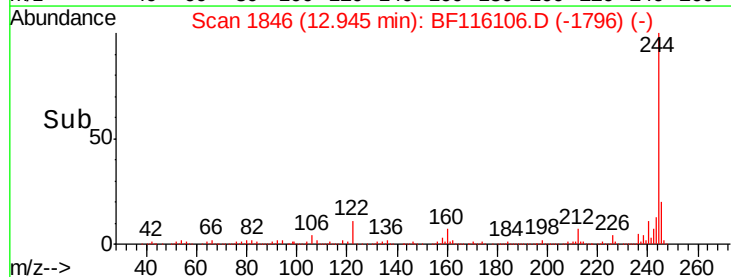
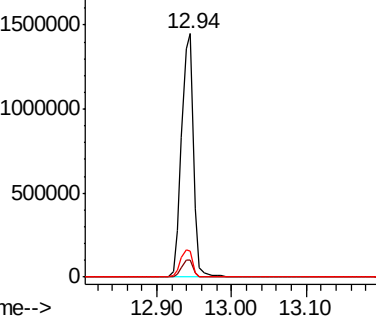


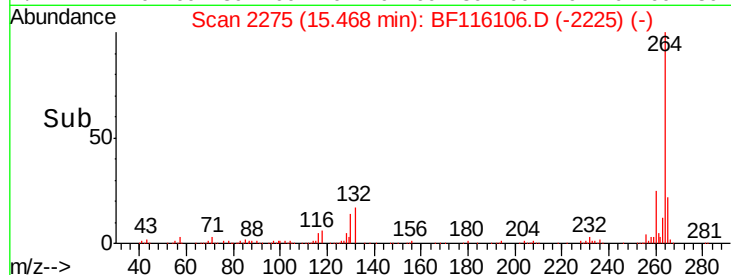
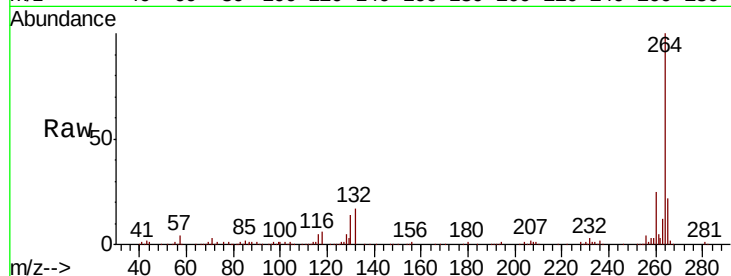
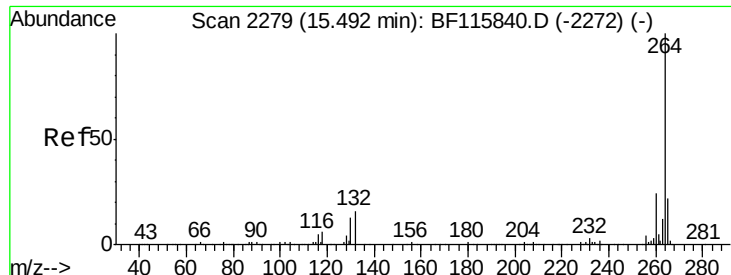
Abundance

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. -0.01 min
 Lab File: BF116106.D
 Acq: 9 Aug 2019 11:57

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:264	Resp:	327020
Ion	Ratio	Lower Upper
264	100	
260	25.1	19.7 29.5
265	22.3	17.4 26.0

