

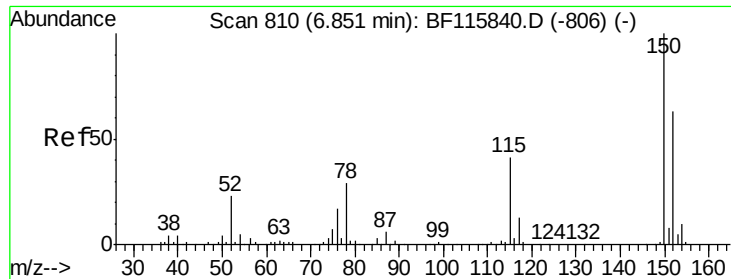
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF080919\
 Data File : BF116112.D
 Acq On : 9 Aug 2019 14:45
 Operator : HP/JU
 Sample : K4148-03
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Aug 10 02:12:48 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	125483	20.00	ng	0.00
21) Naphthalene-d8	8.12	136	485859	20.00	ng	-0.01
39) Acenaphthene-d10	9.87	164	263815	20.00	ng	-0.02
64) Phenanthrene-d10	11.36	188	497722	20.00	ng	-0.01
76) Chrysene-d12	14.00	240	374487	20.00	ng	-0.01
87) Perylene-d12	15.46	264	298816	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.46	112	484953	64.70	ng	0.00
7) Phenol-d6	6.47	99	473363	50.05	ng	-0.02
23) Nitrobenzene-d5	7.40	82	740169	87.94	ng	-0.02
42) 2,4,6-Tribromophenol	10.66	330	307447	120.20	ng	-0.01
45) 2-Fluorobiphenyl	9.19	172	1237325	87.85	ng	-0.01
79) Terphenyl-d14	12.94	244	1616735	90.97	ng	0.00
Target Compounds						
9) Benzaldehyde	6.61	77	18619	2.853	ng	# 74
19) n-Nitroso-di-n-propylamine	7.40	70	95844	16.355	ng	# 80
25) Isophorone	7.40	82	740165	45.988	ng	# 65
50) Dimethylphthalate	9.59	163	102951	5.731	ng	99
51) 2,6-Dinitrotoluene	9.87	165	33864	8.675	ng	# 29
57) 2,4-Dinitrotoluene	9.87	165	33864	6.516	ng	# 20
67) 4-Bromophenyl-phenylether	10.66	248	18366	3.447	ng	# 1

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

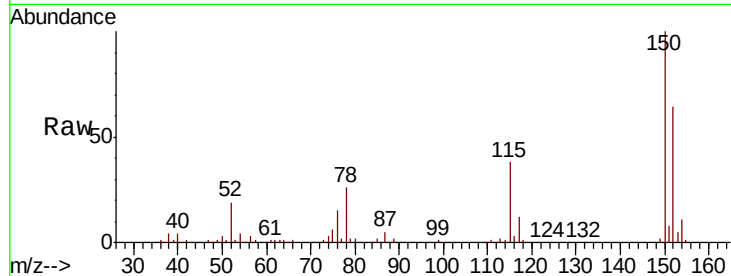


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.84 min Scan# 808
Delta R.T. -0.01 min
Lab File: BF116112.D
Acq: 9 Aug 2019 14:45

Instrument :
BNA_F
ClientSampled :

Tot Ion	Ratio	Lower	Upper
152	100		
150	155.3	126.2	189.2
115	59.3	49.9	74.9

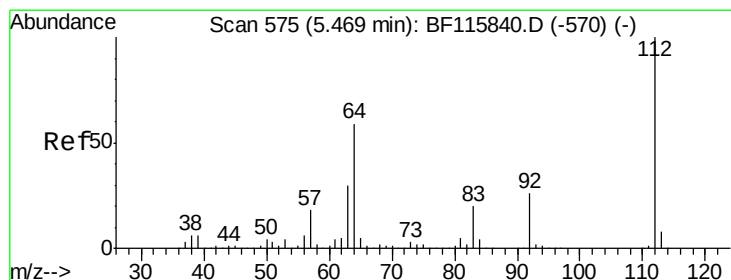
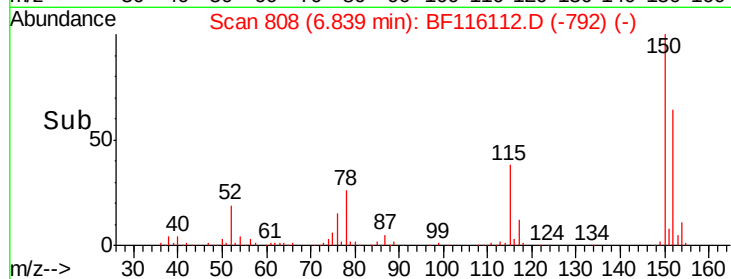
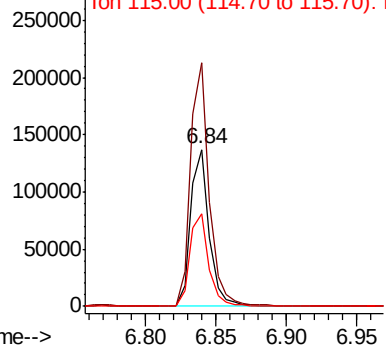


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

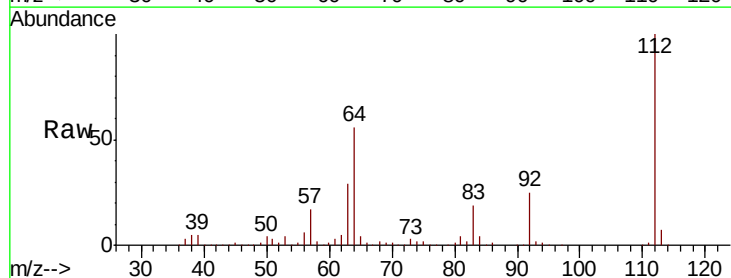
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 64.697 ng
RT: 5.46 min Scan# 574
Delta R.T. -0.01 min
Lab File: BF116112.D
Acq: 9 Aug 2019 14:45

Tgt Ion	Ratio	Lower	Upper
112	100		
64	56.3	45.4	68.2
63	28.9	23.7	35.5

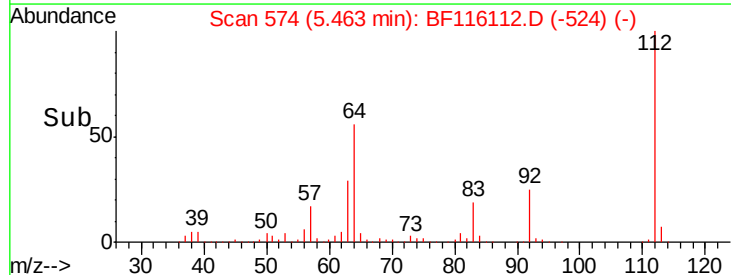
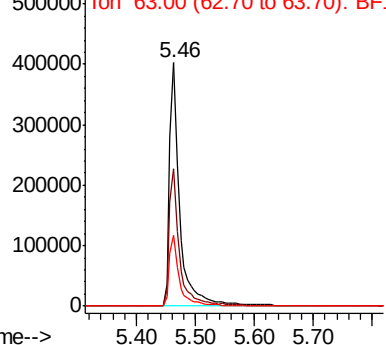


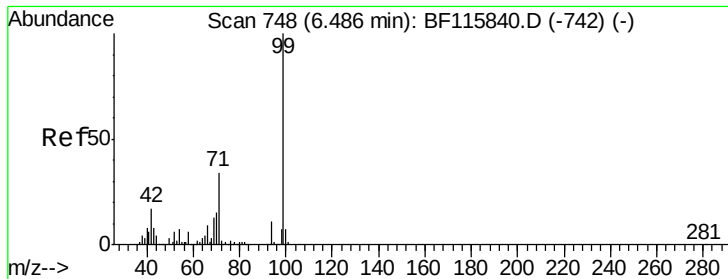
Abundance

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: 50.053 ng

RT: 6.47 min Scan# 745

Delta R.T. -0.02 min

Lab File: BF116112.D

Acq: 9 Aug 2019 14:45

Instrument :

BNA_F

ClientSampled :

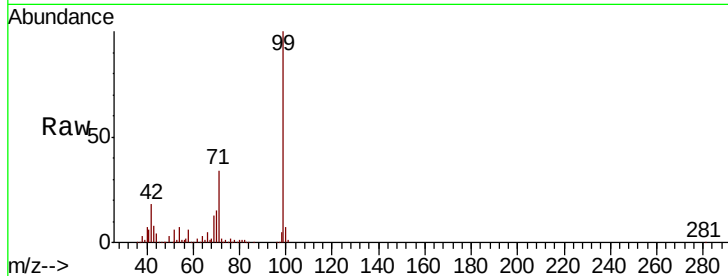
Tot Ion: 99 Resp: 473363

Ion Ratio Lower Upper

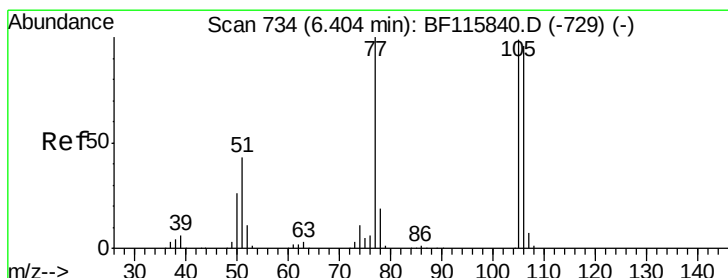
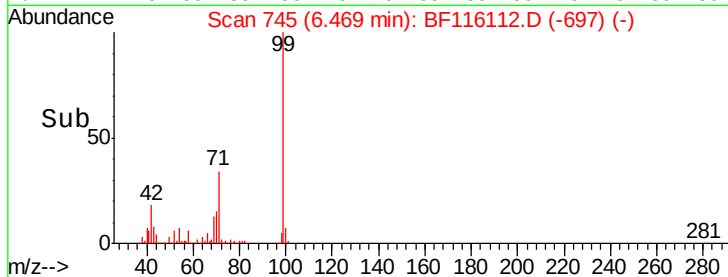
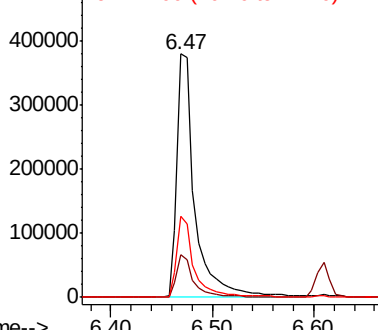
99 100

42 17.7 13.8 20.8

71 33.5 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



#9

Benzaldehyde

Concen: 2.853 ng

RT: 6.61 min Scan# 769

Delta R.T. 0.21 min

Lab File: BF116112.D

Acq: 9 Aug 2019 14:45

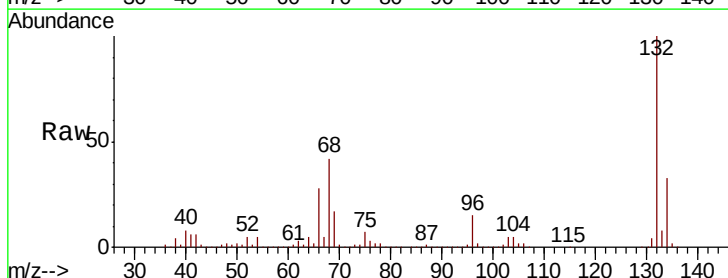
Tgt Ion: 77 Resp: 18619

Ion Ratio Lower Upper

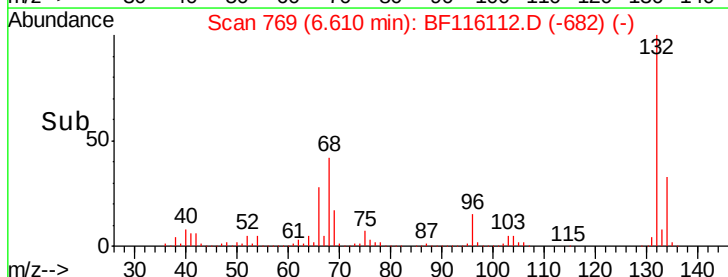
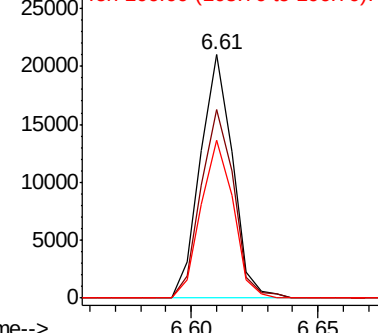
77 100

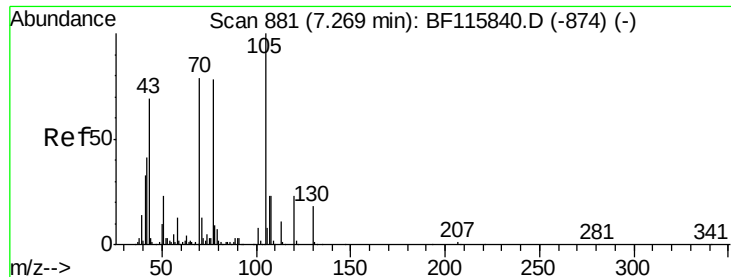
105 77.4 79.2 119.2#

106 64.8 74.3 114.3#



Abundance Ion 77.00 (76.70 to 77.70): BF1
Ion 105.00 (104.70 to 105.70): E
Ion 106.00 (105.70 to 106.70): E

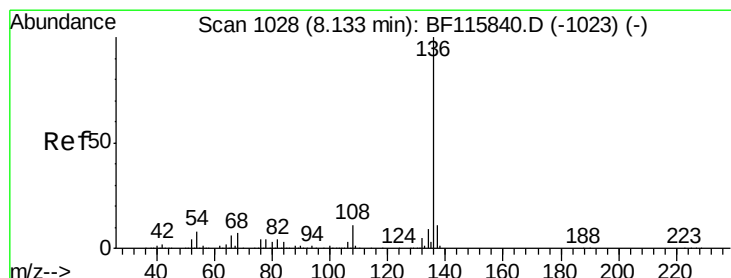
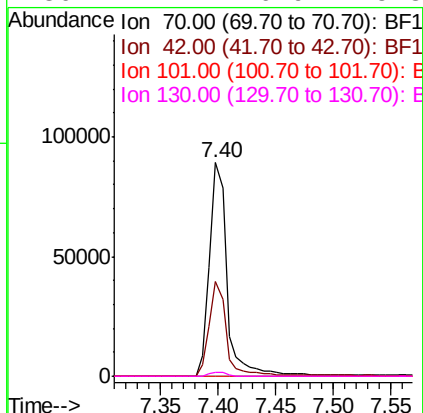
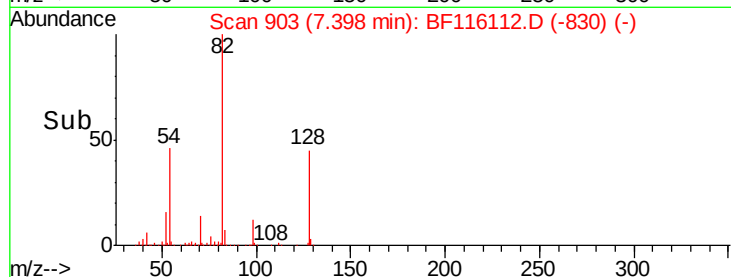
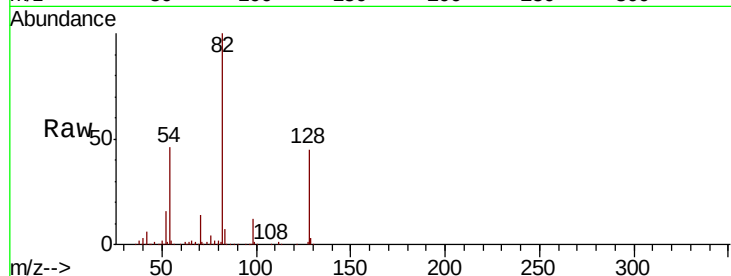




#19
n-Nitroso-di-n-propylamine
Concen: 16.355 ng
RT: 7.40 min Scan# 903
Delta R.T. 0.13 min
Lab File: BF116112.D
Acq: 9 Aug 2019 14:45

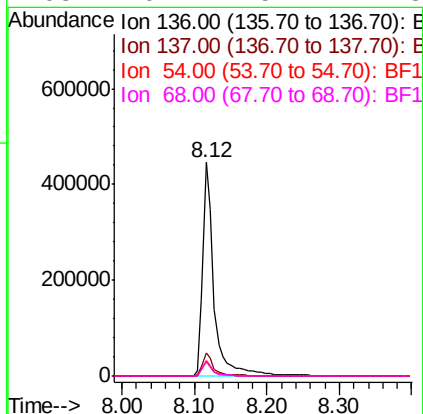
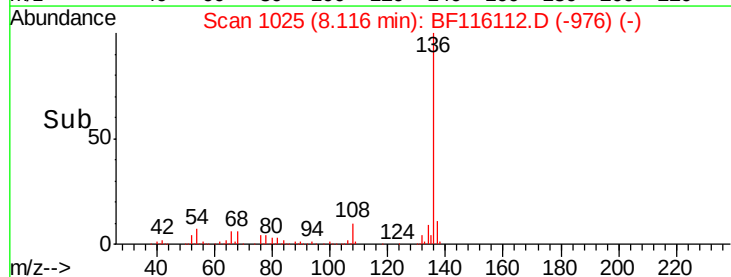
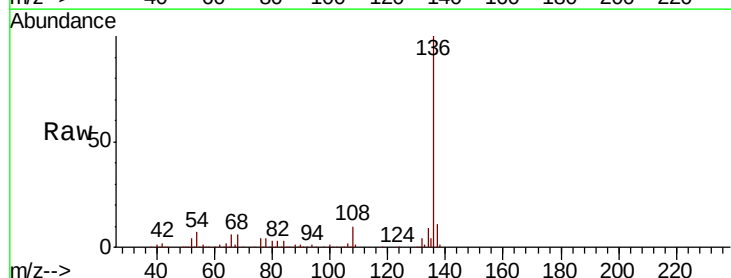
Instrument :
BNA_F
ClientSampled :

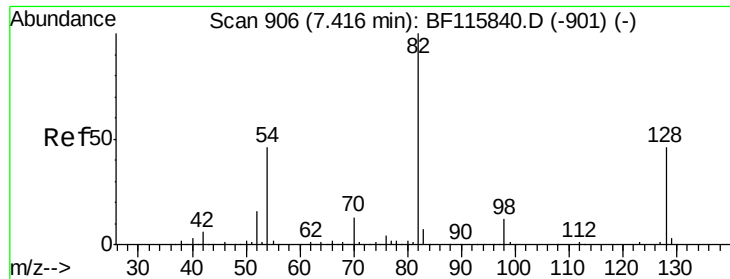
Tot Ion: 70 Resp: 95844
Ion Ratio Lower Upper
70 100
42 44.1 40.9 61.3
101 0.0 7.9 11.9#
130 2.1 16.9 25.3#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.12 min Scan# 1025
Delta R.T. -0.01 min
Lab File: BF116112.D
Acq: 9 Aug 2019 14:45

Tgt Ion: 136 Resp: 485859
Ion Ratio Lower Upper
136 100
137 10.9 9.0 13.4
54 7.5 5.8 8.6
68 6.4 5.2 7.8

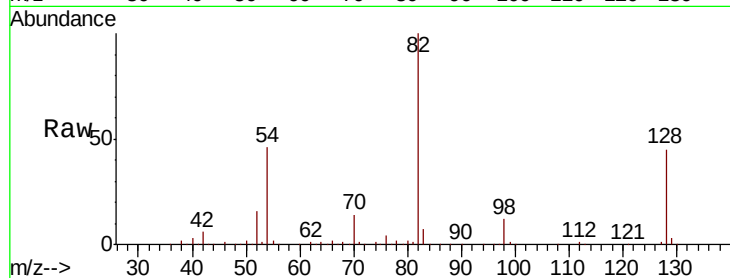




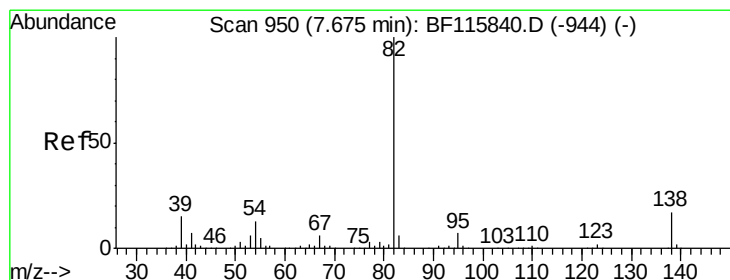
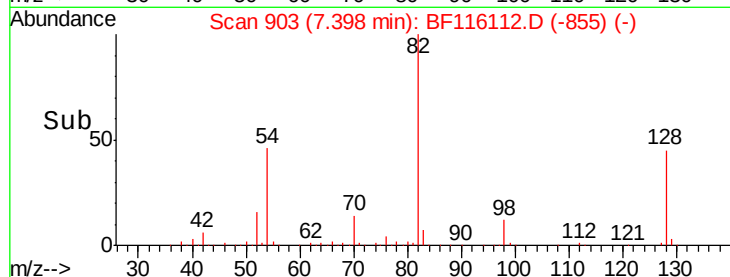
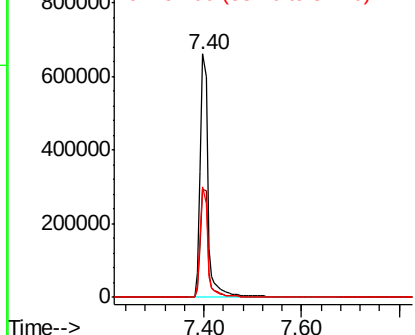
#23
 Nitrobenzene-d5
 Concen: 87.937 ng
 RT: 7.40 min Scan# 903
 Delta R.T. -0.02 min
 Lab File: BF116112.D
 Acq: 9 Aug 2019 14:45

Instrument :
 BNA_F
 ClientSampled :

Tot Ion: 82 Resp: 740169
 Ion Ratio Lower Upper
 82 100
 128 44.5 36.5 54.7
 54 45.6 36.0 54.0

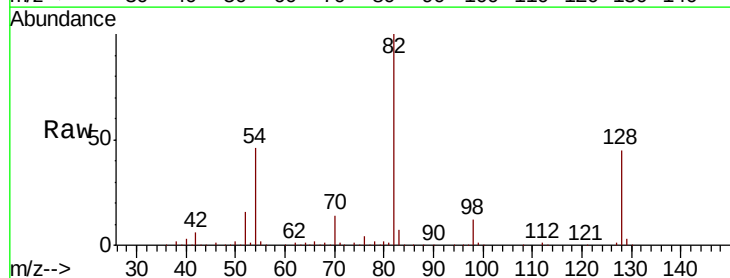


Abundance Ion 82.00 (81.70 to 82.70): BF1
 Ion 128.00 (127.70 to 128.70): BF1
 Ion 54.00 (53.70 to 54.70): BF1

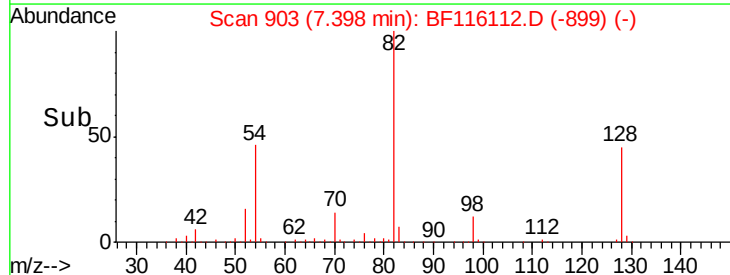
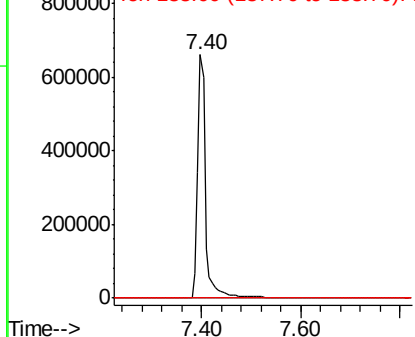


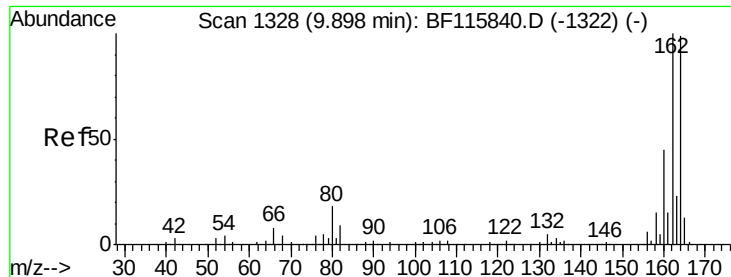
#25
 Isophorone
 Concen: 45.988 ng
 RT: 7.40 min Scan# 903
 Delta R.T. -0.28 min
 Lab File: BF116112.D
 Acq: 9 Aug 2019 14:45

Tgt Ion: 82 Resp: 740165
 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





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.87 min Scan# 1323

Delta R.T. -0.02 min

Lab File: BF116112.D

Acq: 9 Aug 2019 14:45

Instrument :

BNA_F

ClientSampleId :

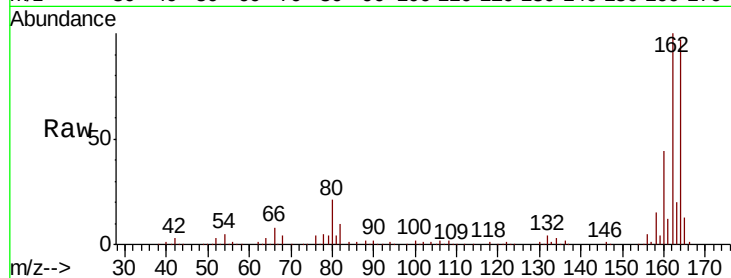
Tot Ion:164 Resp: 263815

Ion Ratio Lower Upper

164 100

162 102.7 82.6 124.0

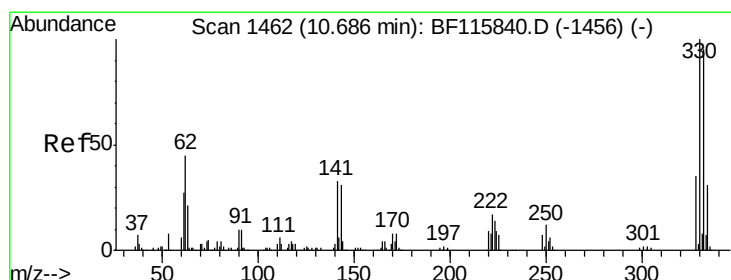
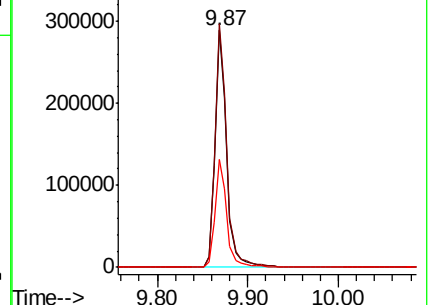
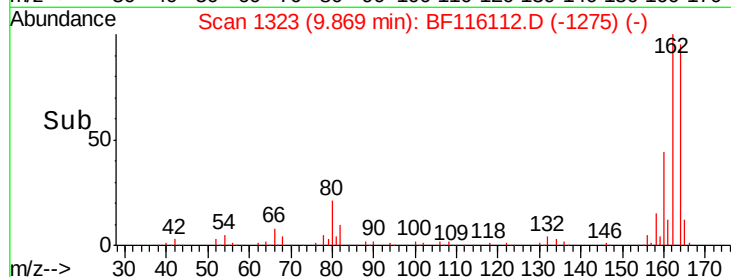
160 45.4 37.6 56.4



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



#42

2,4,6-Tribromophenol

Concen: 120.202 ng

RT: 10.66 min Scan# 1458

Delta R.T. -0.01 min

Lab File: BF116112.D

Acq: 9 Aug 2019 14:45

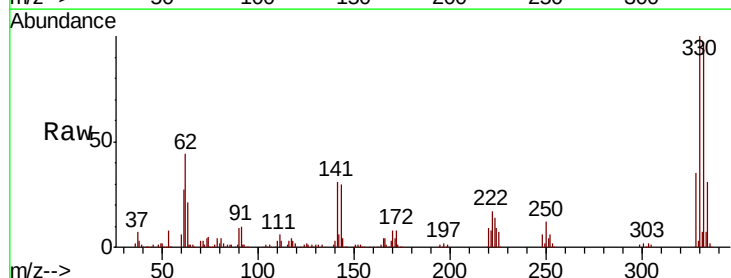
Tgt Ion:330 Resp: 307447

Ion Ratio Lower Upper

330 100

332 95.8 76.8 115.2

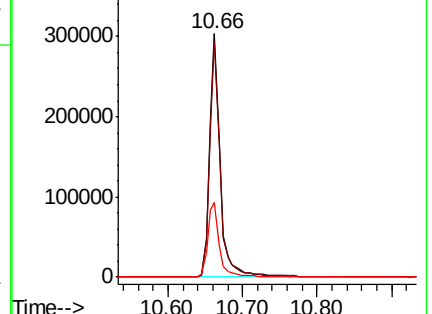
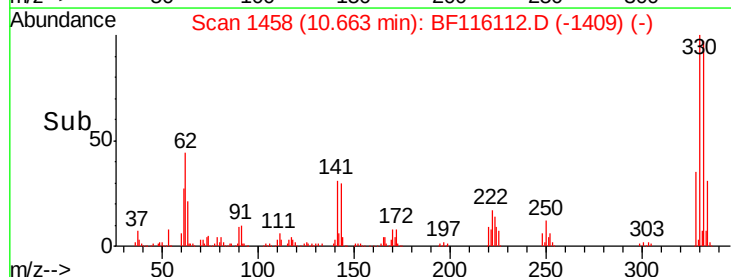
141 34.1 26.3 39.5

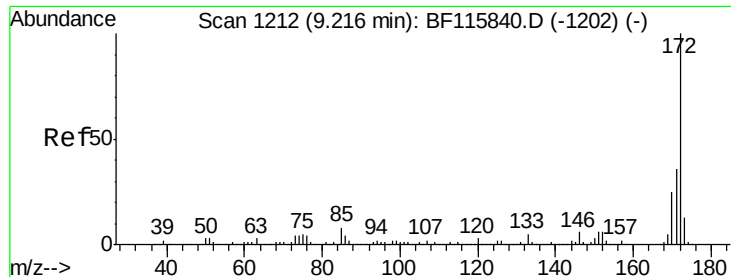


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

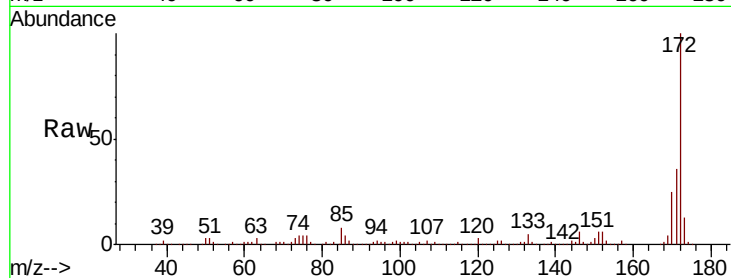




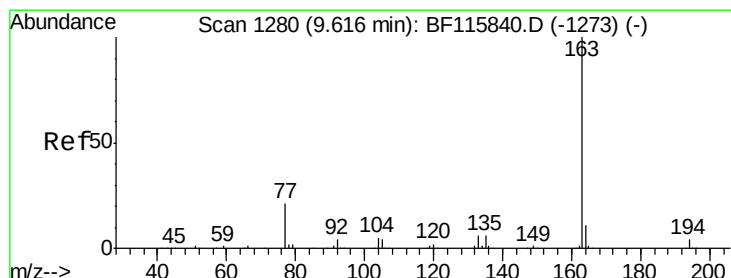
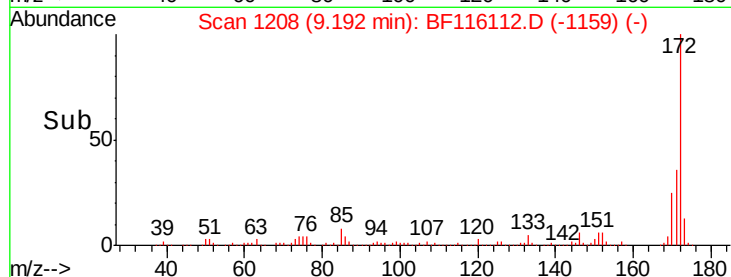
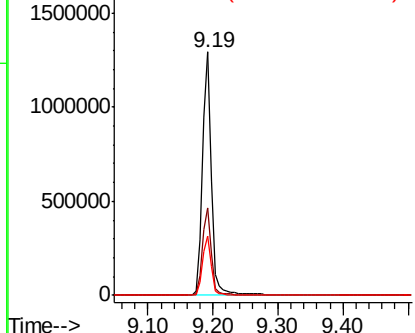
#45
2-Fluorobiphenyl
Concen: 87.849 ng
RT: 9.19 min Scan# 1208
Delta R.T. -0.01 min
Lab File: BF116112.D
Acq: 9 Aug 2019 14:45

Instrument :
BNA_F
ClientSampleId :

Tot Ion:172 Resp: 1237325
Ion Ratio Lower Upper
172 100
171 36.1 29.6 44.4
170 24.6 20.1 30.1

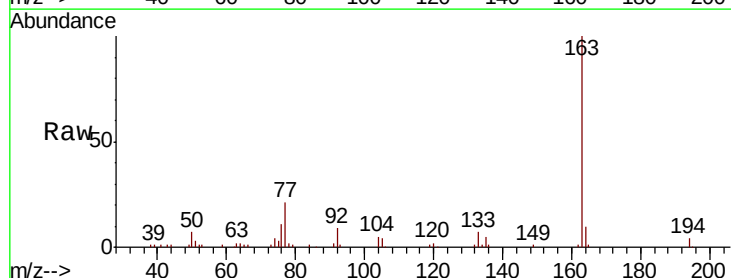


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

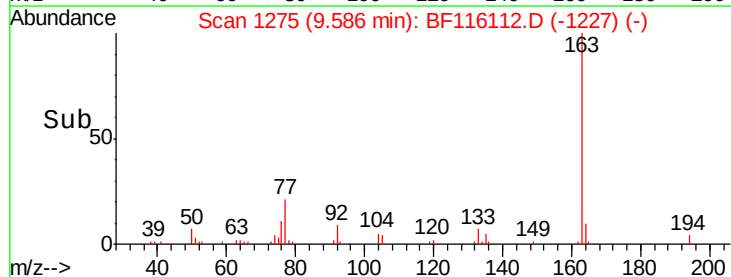
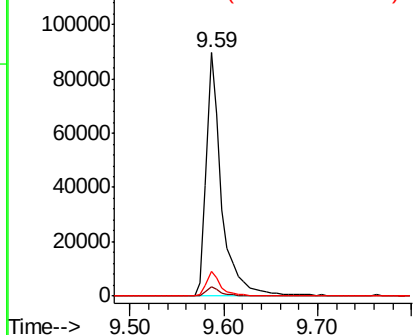


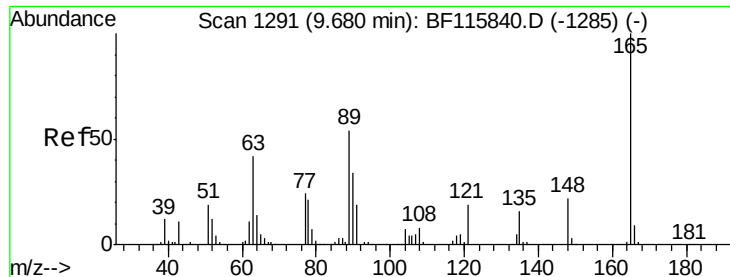
#50
Dimethylphthalate
Concen: 5.731 ng
RT: 9.59 min Scan# 1275
Delta R.T. -0.02 min
Lab File: BF116112.D
Acq: 9 Aug 2019 14:45

Tgt Ion:163 Resp: 102951
Ion Ratio Lower Upper
163 100
194 3.8 3.0 4.6
164 9.9 8.4 12.6



Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

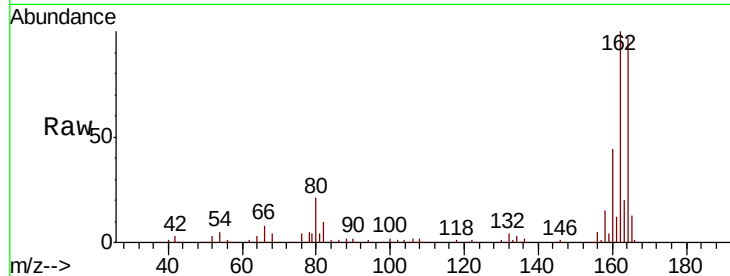




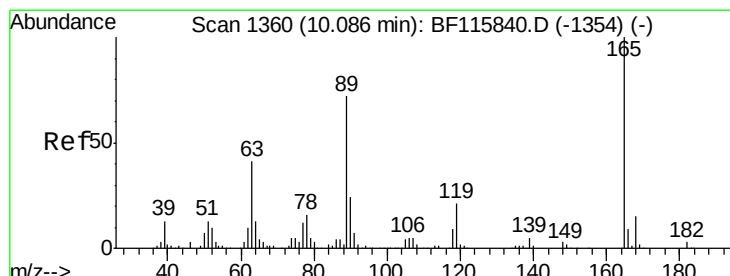
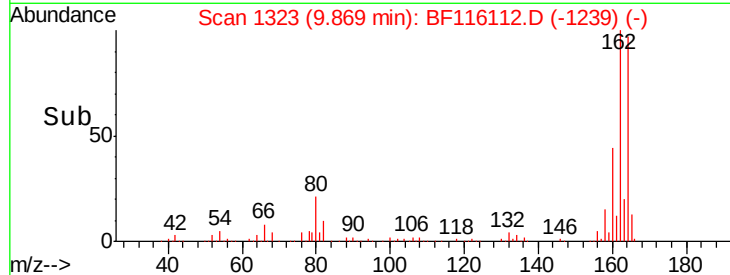
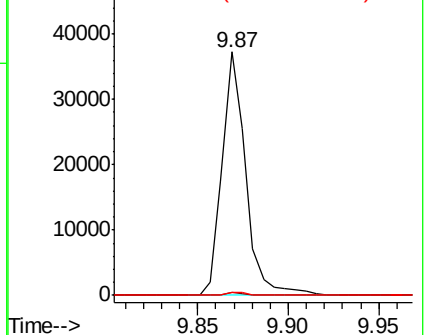
#51
 2,6-Dinitrotoluene
 Concen: 8.675 ng
 RT: 9.87 min Scan# 1323
 Delta R.T. 0.19 min
 Lab File: BF116112.D
 Acq: 9 Aug 2019 14:45

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
165	100		
63	1.1	38.2	57.2#
89	1.5	42.9	64.3#



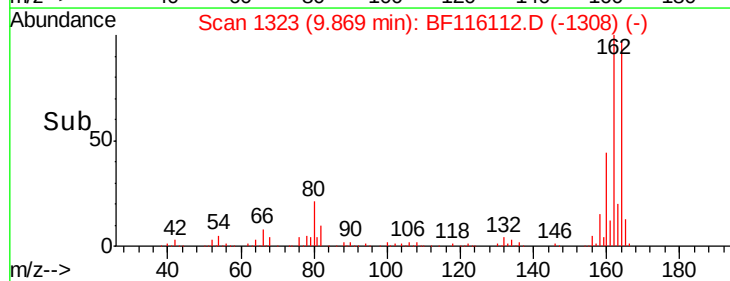
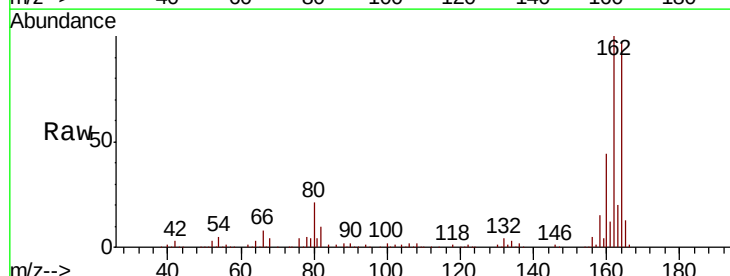
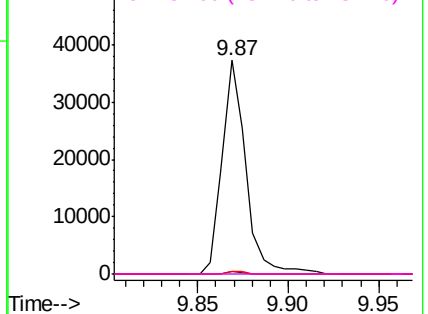
Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BF1
 Ion 89.00 (88.70 to 89.70): BF1

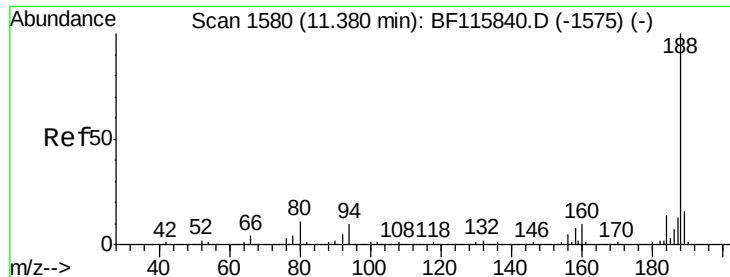


#57
 2,4-Dinitrotoluene
 Concen: 6.516 ng
 RT: 9.87 min Scan# 1323
 Delta R.T. -0.21 min
 Lab File: BF116112.D
 Acq: 9 Aug 2019 14:45

Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.1	39.6	59.4#
89	1.5	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: BF116112.D

Acq: 9 Aug 2019 14:45

Instrument :

BNA_F

ClientSampleId :

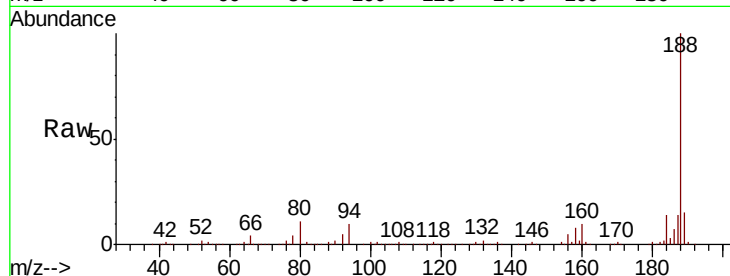
Tot Ion:188 Resp: 497722

Ion Ratio Lower Upper

188 100

94 10.0 8.1 12.1

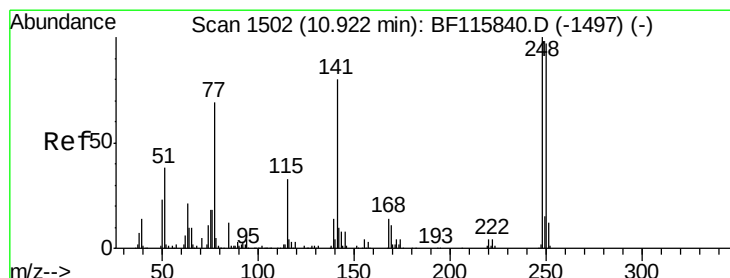
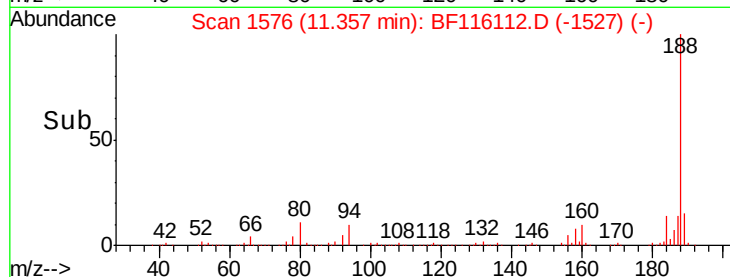
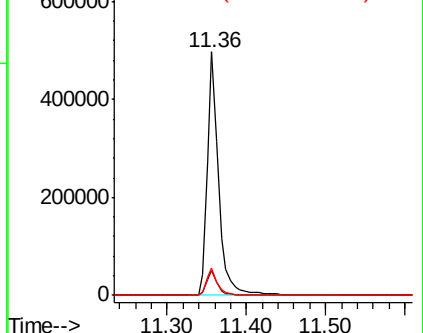
80 11.1 8.7 13.1



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: 3.447 ng

RT: 10.66 min Scan# 1458

Delta R.T. -0.25 min

Lab File: BF116112.D

Acq: 9 Aug 2019 14:45

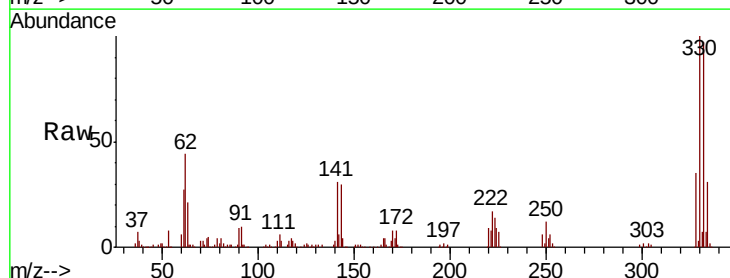
Tgt Ion:248 Resp: 18366

Ion Ratio Lower Upper

248 100

250 203.0 77.4 116.2#

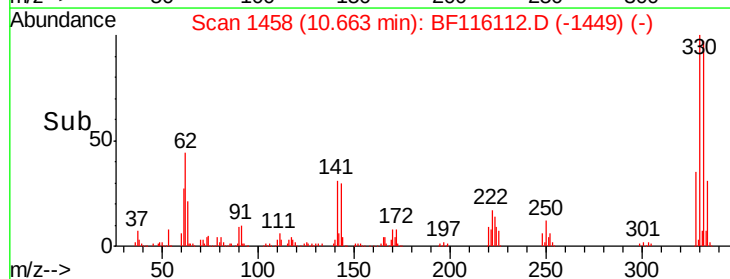
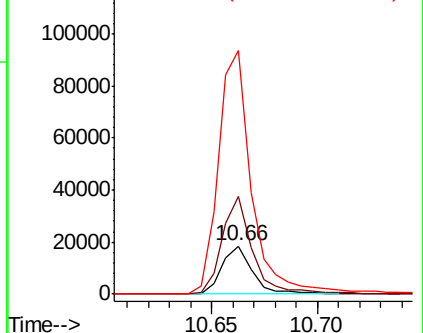
141 507.6 56.8 85.2#

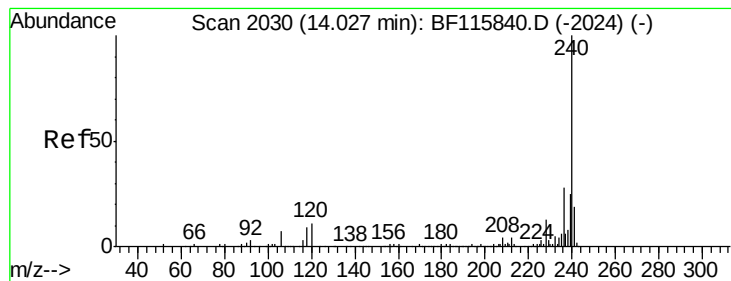


Abundance Ion 248.00 (247.70 to 248.70): E

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: BF116112.D

Acq: 9 Aug 2019 14:45

Instrument :

BNA_F

ClientSampleId :

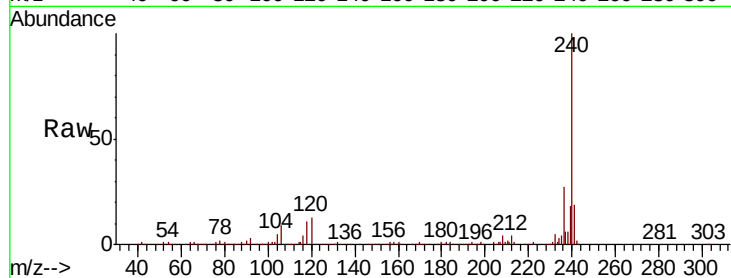
Tot Ion:240 Resp: 374487

Ion Ratio Lower Upper

240 100

120 12.6 10.7 16.1

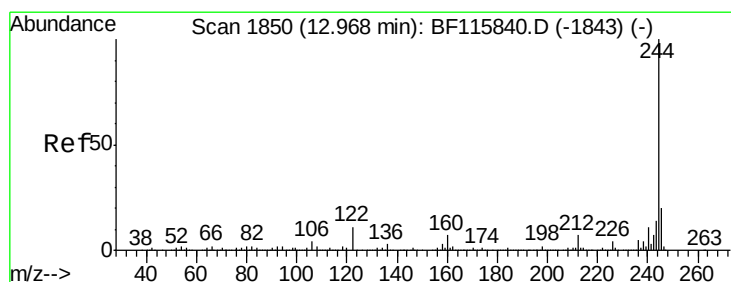
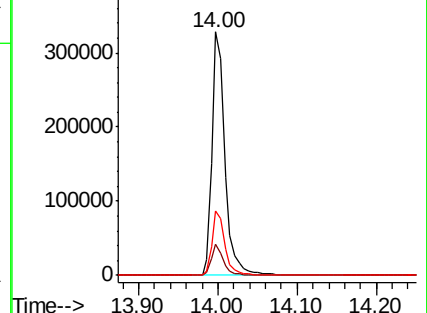
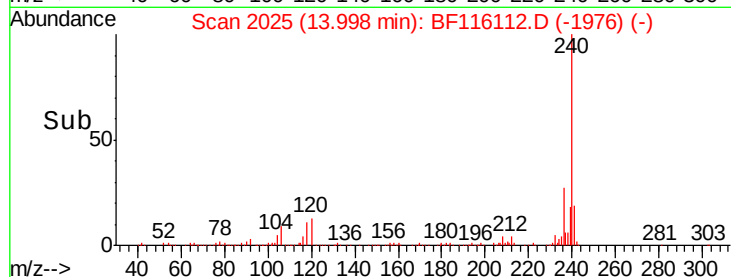
236 26.6 22.2 33.2



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: 90.971 ng

RT: 12.94 min Scan# 1846

Delta R.T. -0.01 min

Lab File: BF116112.D

Acq: 9 Aug 2019 14:45

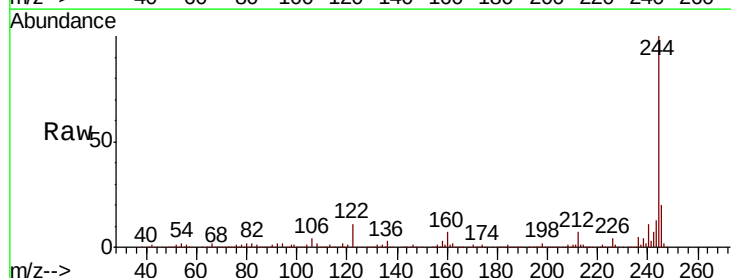
Tgt Ion:244 Resp: 1616735

Ion Ratio Lower Upper

244 100

212 7.0 5.8 8.8

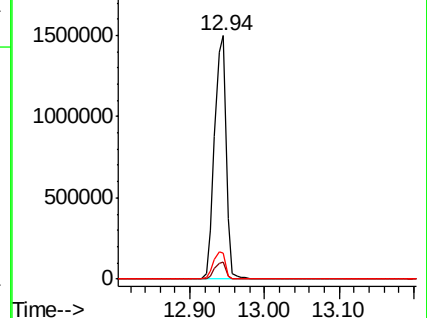
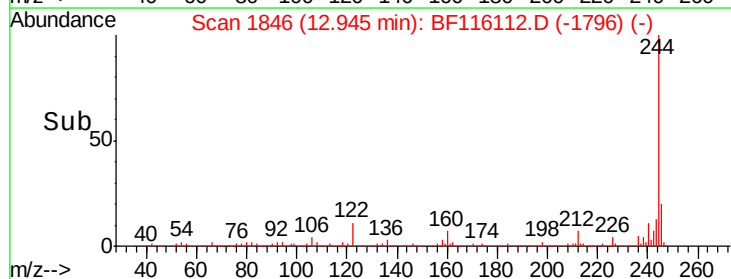
122 10.6 9.0 13.4

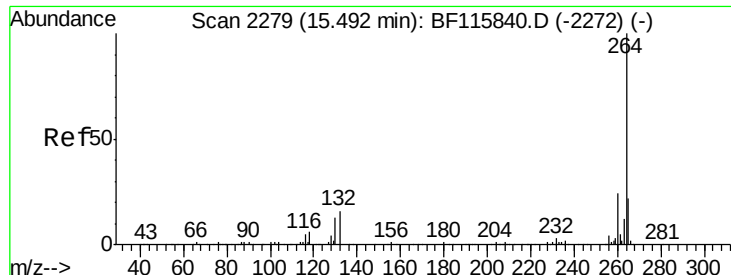


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

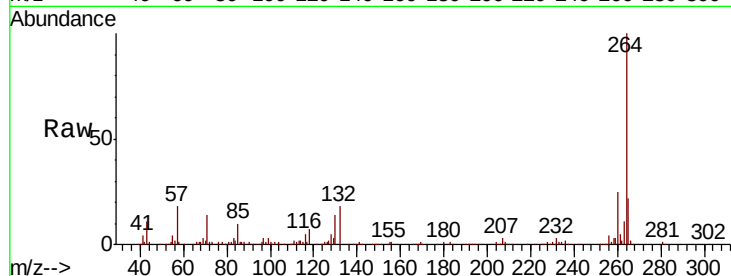




#87
Pervlene-d12
Concen: 20.000 ng
RT: 15.46 min Scan# 2274
Delta R.T. -0.01 min
Lab File: BF116112.D
Acq: 9 Aug 2019 14:45

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
264	100		
260	24.7	19.7	29.5
265	21.9	17.4	26.0



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

