

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF021119\
 Data File : BF112492.D
 Acq On : 11 Feb 2019 20:25
 Operator : JU/SJ
 Sample : K1452-04
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TEST-PIT-2

Quant Time: Feb 12 00:01:27 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF012519.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Jan 28 10:38:18 2019
 Response via : Initial Calibration

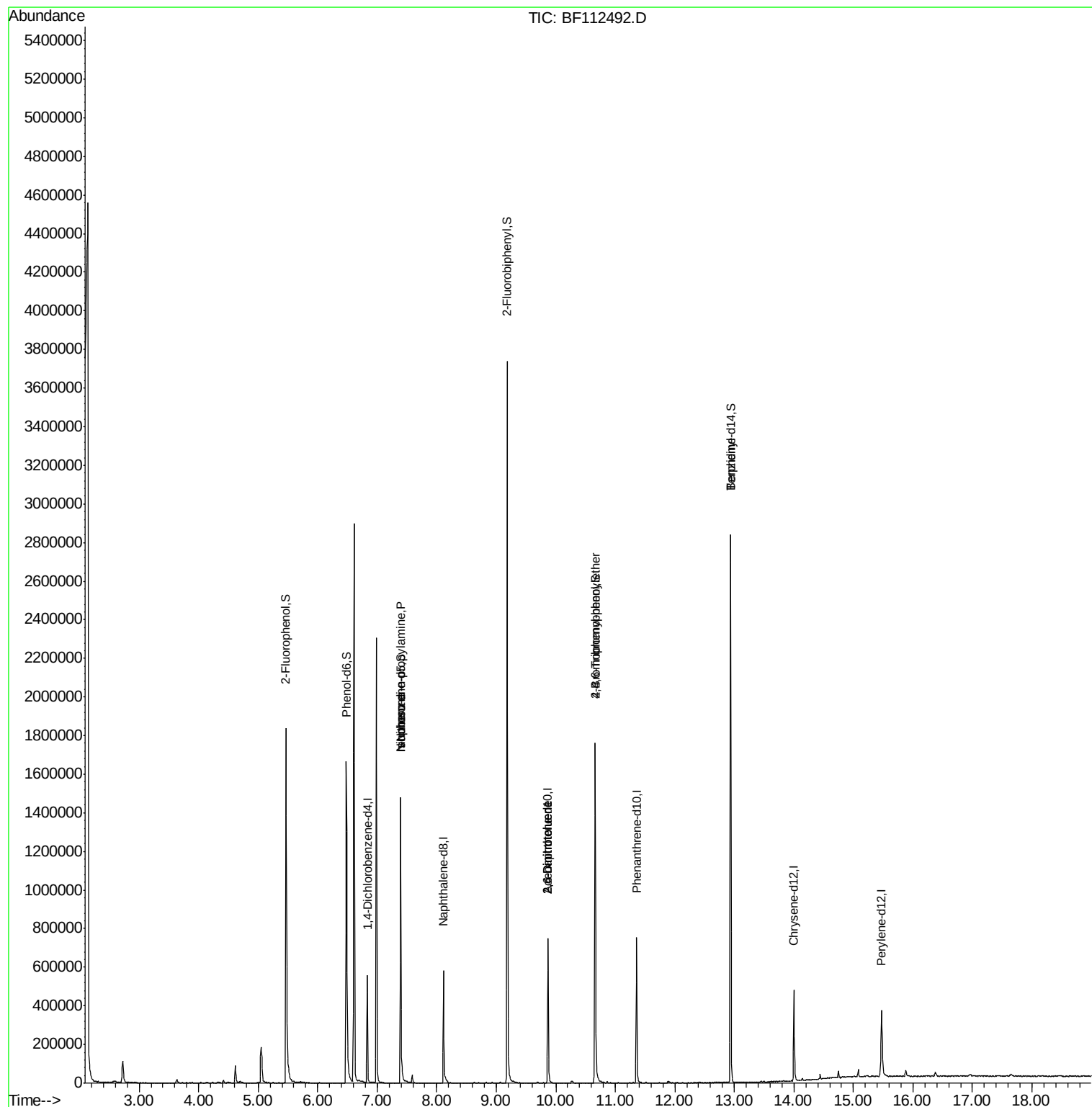
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.83	152	88430	20.00	ng	-0.01
21) Naphthalene-d8	8.12	136	340288	20.00	ng	-0.01
39) Acenaphthene-d10	9.87	164	161544	20.00	ng	-0.02
64) Phenanthrene-d10	11.36	188	290925	20.00	ng	-0.01
76) Chrysene-d12	14.00	240	194126	20.00	ng	0.00
87) Perylene-d12	15.47	264	190813	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.47	112	612605	147.15	ng	-0.01
7) Phenol-d6	6.48	99	685133	118.43	ng	-0.01
23) Nitrobenzene-d5	7.39	82	549786	93.09	ng	-0.02
42) 2,4,6-Tribromophenol	10.66	330	246144	130.90	ng	-0.02
45) 2-Fluorobiphenyl	9.19	172	1139909	99.80	ng	-0.02
79) Terphenyl-d14	12.94	244	1030650	100.00	ng	-0.01
Target Compounds						
19) n-Nitroso-di-n-propylamine	7.39	70	73159	18.340	ng	# 77
25) Isophorone	7.39	82	549783	59.341	ng	# 63
51) 2,6-Dinitrotoluene	9.87	165	19638	6.986	ng	# 36
57) 2,4-Dinitrotoluene	9.87	165	19638	5.488	ng	# 33
67) 4-Bromophenyl-phenylether	10.66	248	14781	4.320	ng	# 1
77) Benzidine	12.94	184	14008	2.622	ng	# 97

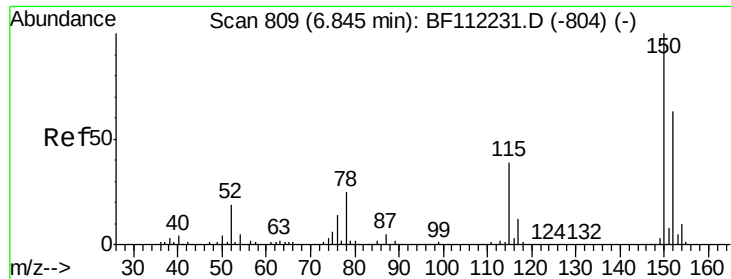
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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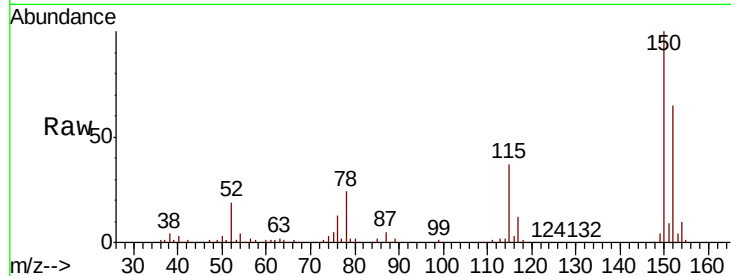


#1

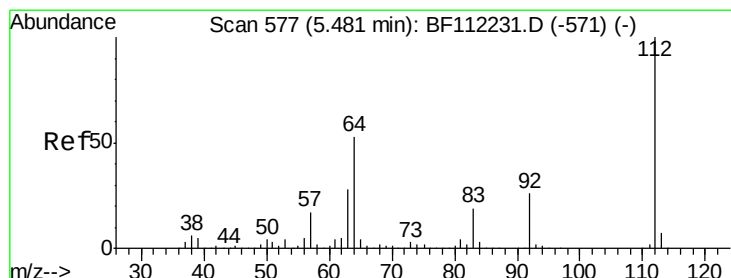
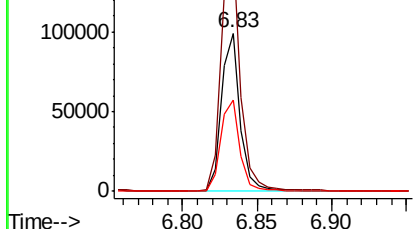
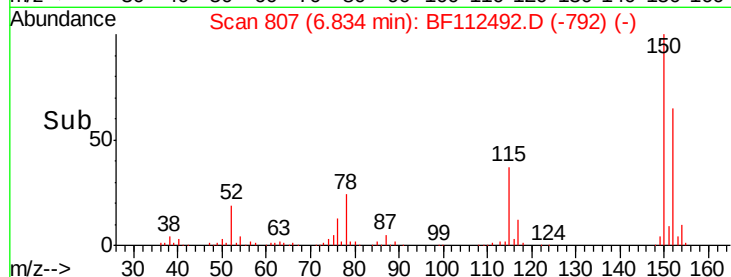
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.83 min Scan# 807
Delta R.T. -0.01 min
Lab File: BF112492.D
Acq: 11 Feb 2019 20:25

Instrument :
BNA_F
ClientSampleId :
TEST-PIT-2

Tgt Ion:152 Resp: 88430
Ion Ratio Lower Upper
152 100
150 153.7 127.4 191.0
115 57.2 45.5 68.3



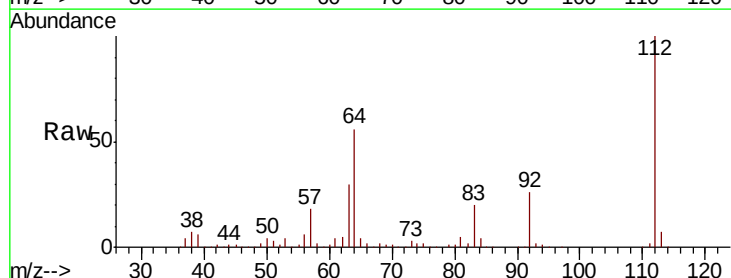
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



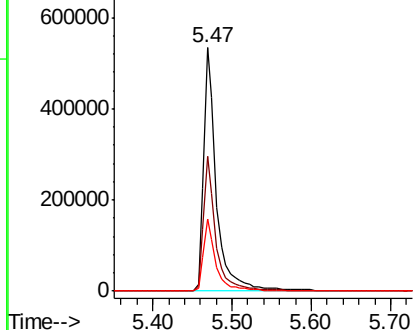
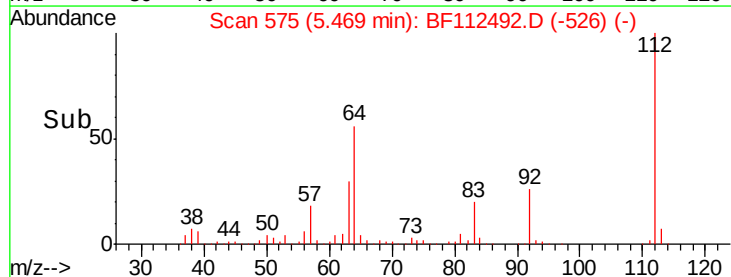
#5

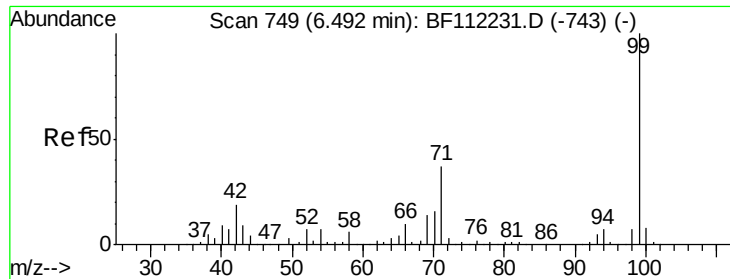
2-Fluorophenol
Concen: 147.146 ng
RT: 5.47 min Scan# 575
Delta R.T. -0.01 min
Lab File: BF112492.D
Acq: 11 Feb 2019 20:25

Tgt Ion:112 Resp: 612605
Ion Ratio Lower Upper
112 100
64 55.5 45.7 68.5
63 29.7 23.6 35.4



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: 118.432 ng

RT: 6.48 min Scan# 747

Delta R.T. -0.01 min

Lab File: BF112492.D

Acq: 11 Feb 2019 20:25

Instrument :

BNA_F

ClientSampleId :

TEST-PIT-2

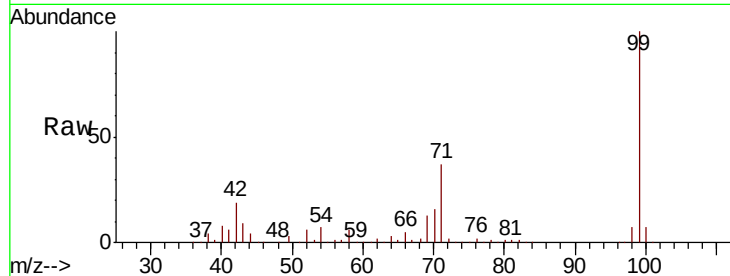
Tgt Ion: 99 Resp: 685133

Ion Ratio Lower Upper

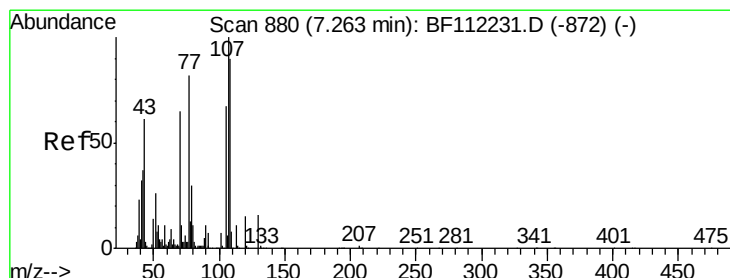
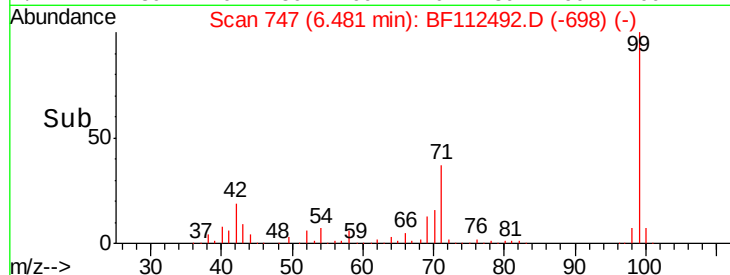
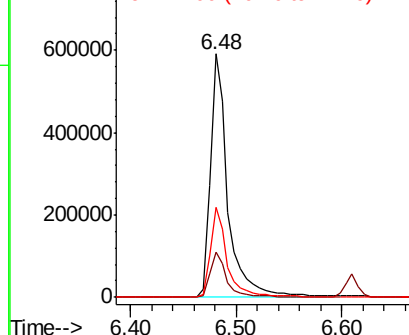
99 100

42 18.8 15.1 22.7

71 37.0 26.9 40.3



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: 18.340 ng

RT: 7.39 min Scan# 902

Delta R.T. 0.13 min

Lab File: BF112492.D

Acq: 11 Feb 2019 20:25

Tgt Ion: 70 Resp: 73159

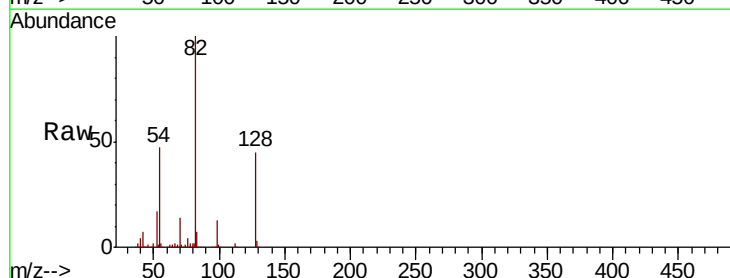
Ion Ratio Lower Upper

70 100

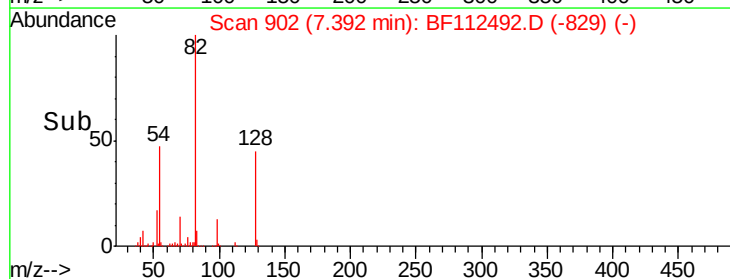
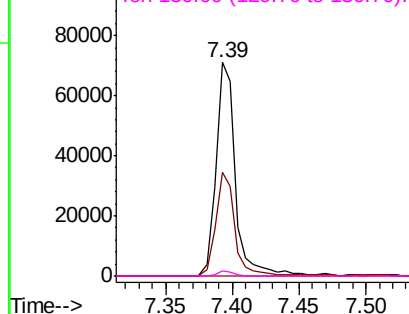
42 48.5 47.6 71.4

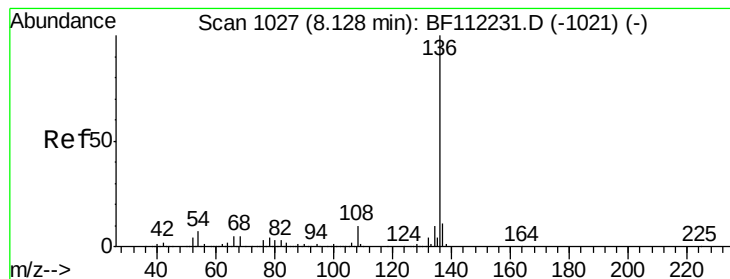
101 0.0 7.9 11.9#

130 2.4 18.4 27.6#



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# 1025

Delta R.T. -0.01 min

Lab File: BF112492.D

Acq: 11 Feb 2019 20:25

Instrument :

BNA_F

ClientSampleId :

TEST-PIT-2

Tgt Ion: 136 Resp: 340288

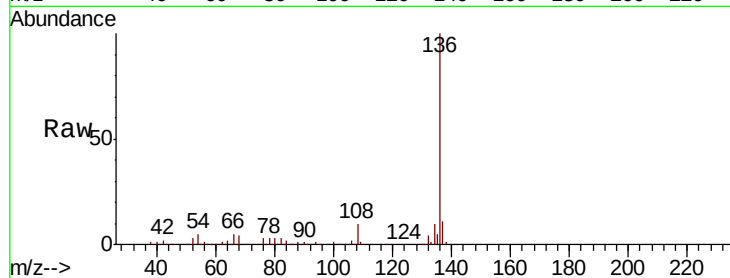
Ion Ratio Lower Upper

136 100

137 10.5 9.1 13.7

54 5.3 5.9 8.9#

68 4.3 5.1 7.7#

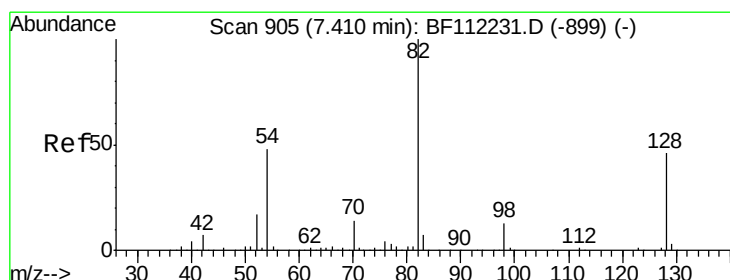
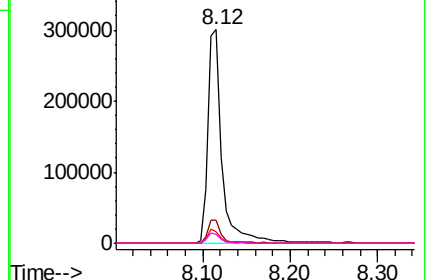
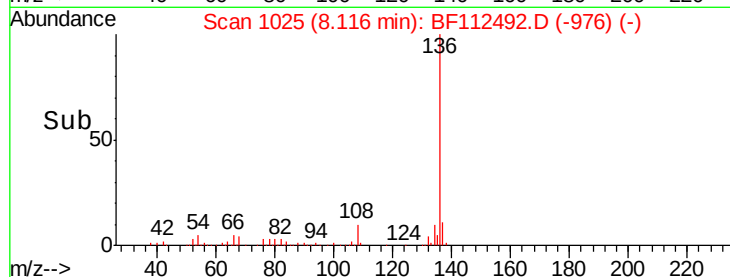


Abundance Ion 136.00 (135.70 to 136.70): E

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: 93.093 ng

RT: 7.39 min Scan# 902

Delta R.T. -0.02 min

Lab File: BF112492.D

Acq: 11 Feb 2019 20:25

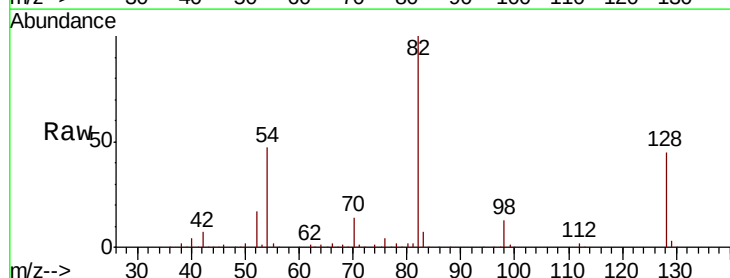
Tgt Ion: 82 Resp: 549786

Ion Ratio Lower Upper

82 100

128 44.9 37.8 56.8

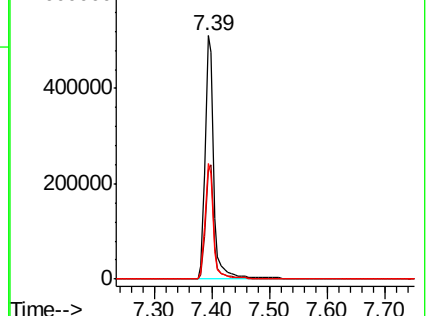
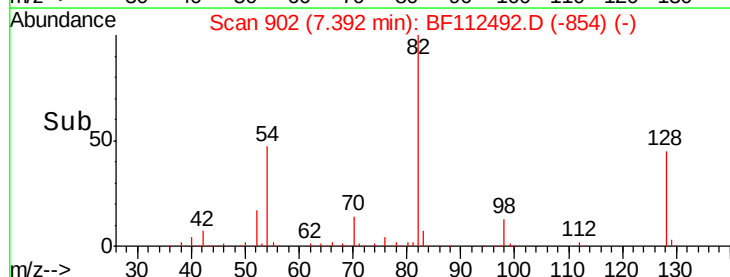
54 47.4 39.7 59.5

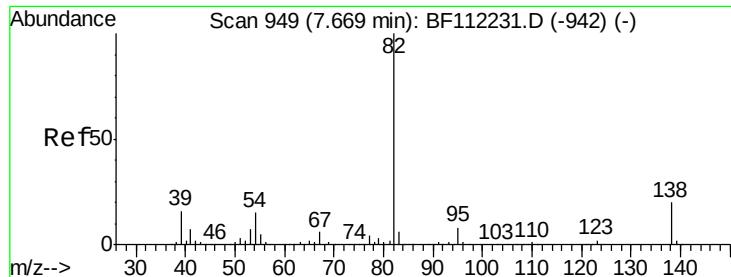


Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF1





#25

Isophorone

Concen: 59.341 ng

RT: 7.39 min Scan# 902

Delta R.T. -0.28 min

Lab File: BF112492.D

Acq: 11 Feb 2019 20:25

Instrument :

BNA_F

ClientSampleId :

TEST-PIT-2

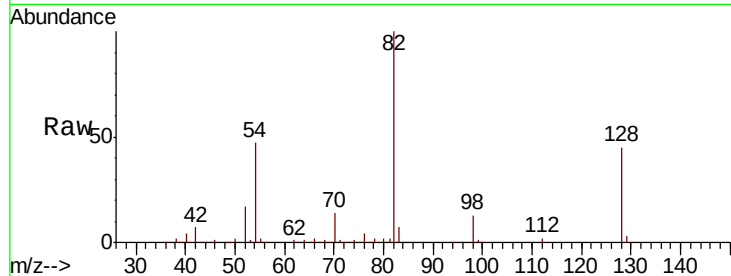
Tgt Ion: 82 Resp: 549783

Ion Ratio Lower Upper

82 100

95 0.0 5.7 8.5#

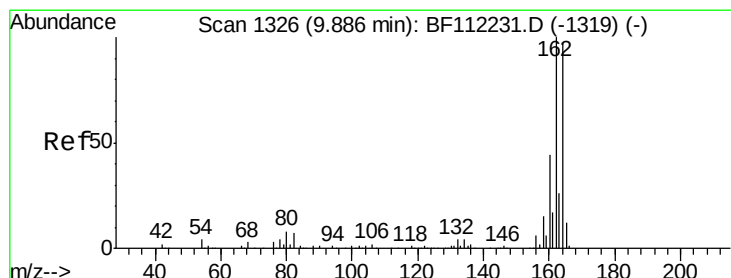
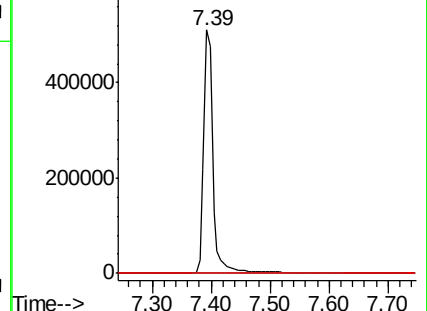
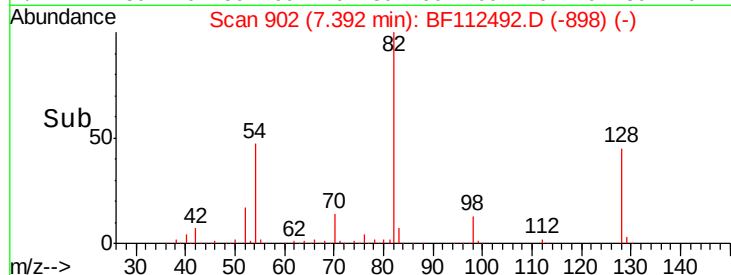
138 0.0 15.4 23.0#



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: BF112492.D

Acq: 11 Feb 2019 20:25

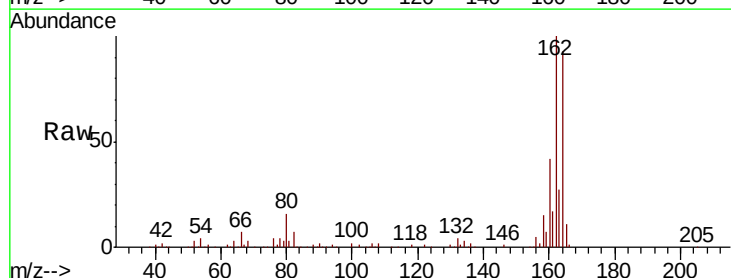
Tgt Ion: 164 Resp: 161544

Ion Ratio Lower Upper

164 100

162 107.9 82.2 123.4

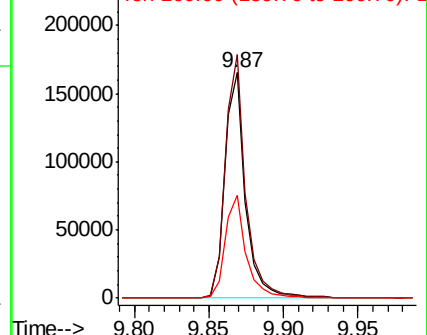
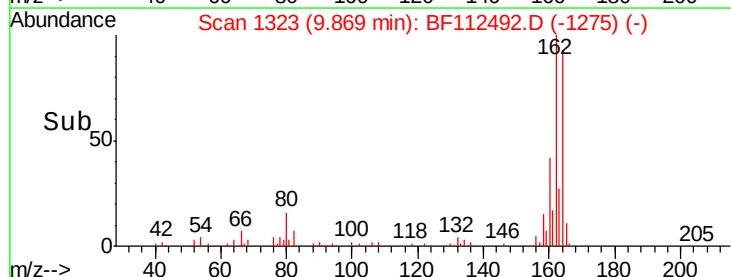
160 45.4 36.2 54.4

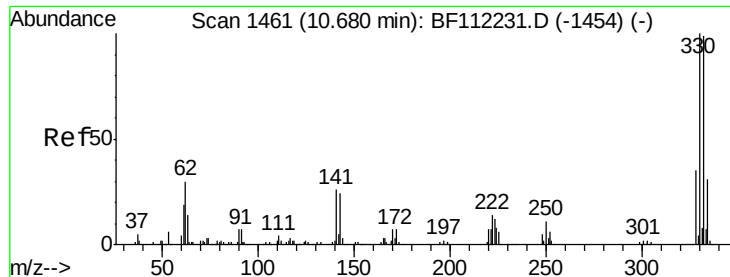


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

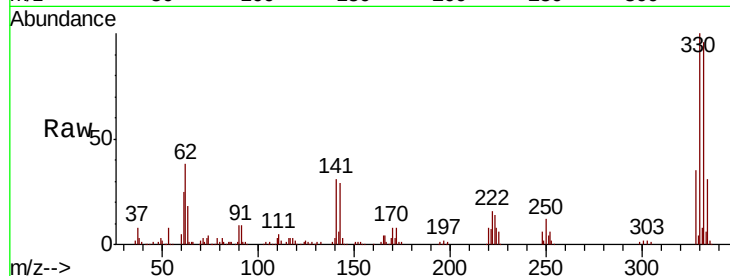




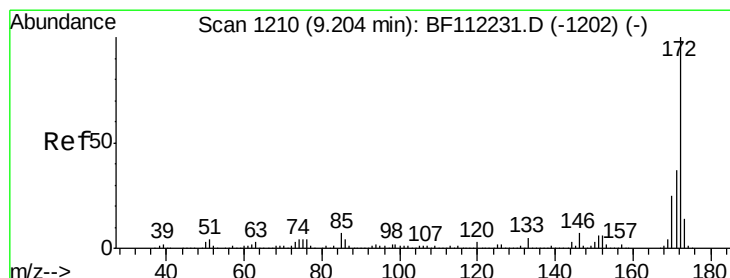
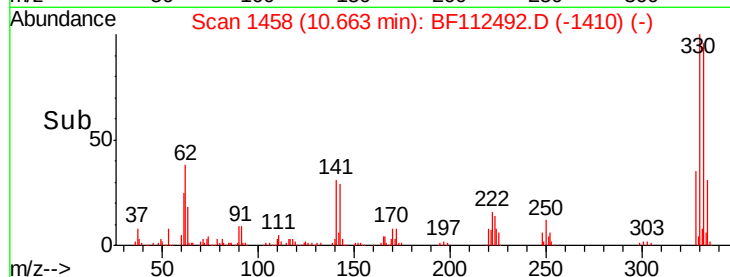
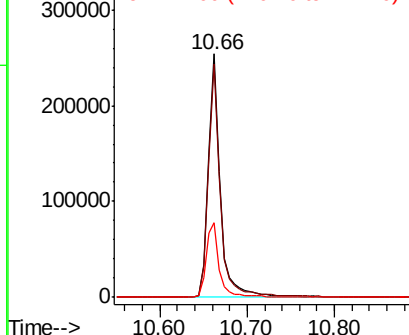
#42
 2,4,6-Tribromophenol
 Concen: 130.905 ng
 RT: 10.66 min Scan# 1458
 Delta R.T. -0.02 min
 Lab File: BF112492.D
 Acq: 11 Feb 2019 20:25

Instrument :
 BNA_F
 ClientSampleId :
 TEST-PIT-2

Tgt Ion:330 Resp: 246144
 Ion Ratio Lower Upper
 330 100
 332 95.9 76.6 114.8
 141 32.8 24.3 36.5

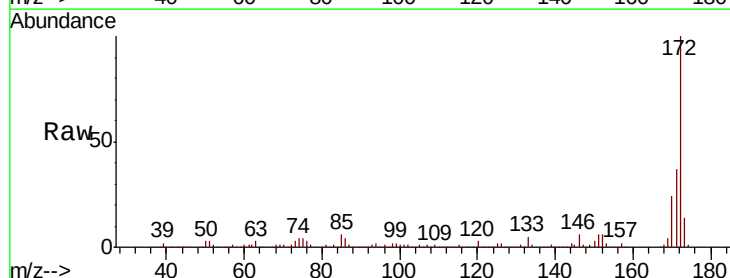


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

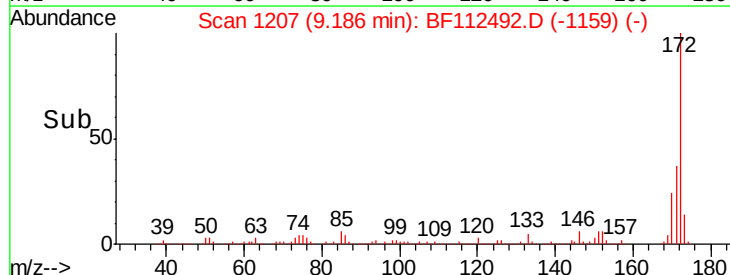
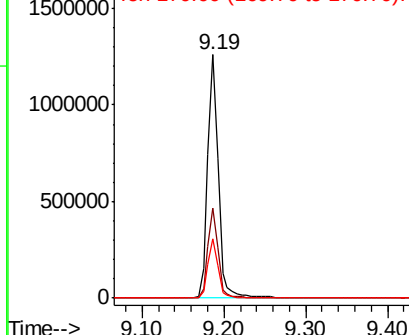


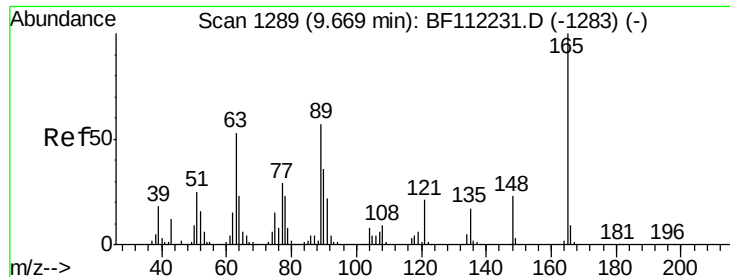
#45
 2-Fluorobiphenyl
 Concen: 99.800 ng
 RT: 9.19 min Scan# 1207
 Delta R.T. -0.02 min
 Lab File: BF112492.D
 Acq: 11 Feb 2019 20:25

Tgt Ion:172 Resp: 1139909
 Ion Ratio Lower Upper
 172 100
 171 37.0 30.5 45.7
 170 24.2 20.2 30.4



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: 6.986 ng

RT: 9.87 min Scan# 1323

Delta R.T. 0.20 min

Lab File: BF112492.D

Acq: 11 Feb 2019 20:25

Instrument :

BNA_F

ClientSampleId :

TEST-PIT-2

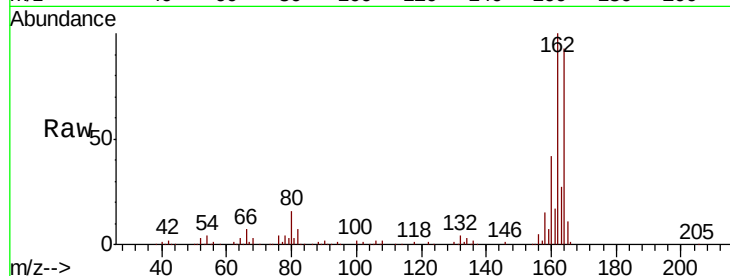
Tgt Ion:165 Resp: 19638

Ion Ratio Lower Upper

165 100

63 2.8 33.8 50.8#

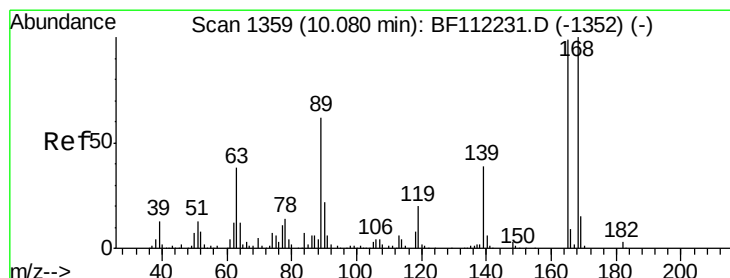
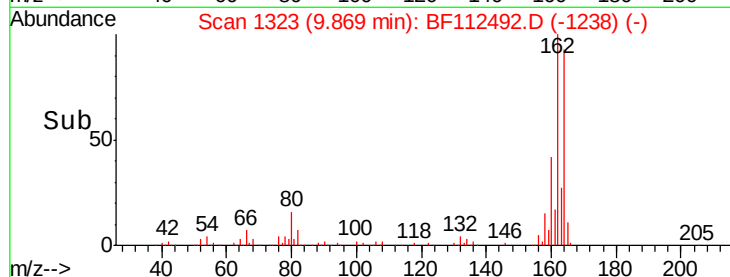
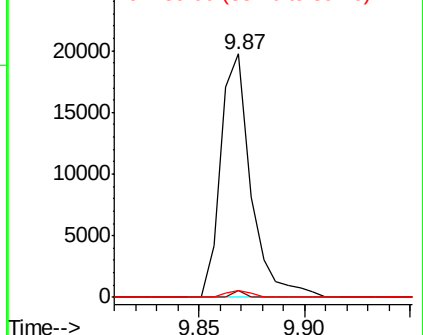
89 2.5 36.9 55.3#



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: 5.488 ng

RT: 9.87 min Scan# 1323

Delta R.T. -0.21 min

Lab File: BF112492.D

Acq: 11 Feb 2019 20:25

Tgt Ion:165 Resp: 19638

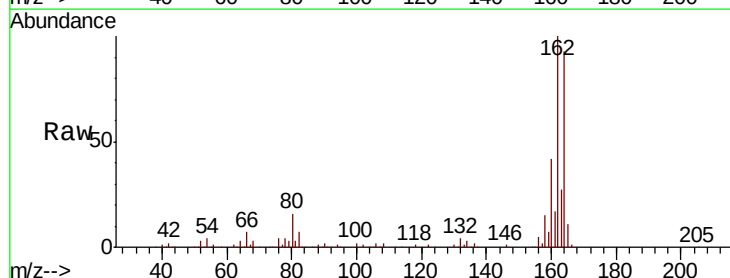
Ion Ratio Lower Upper

165 100

63 2.8 27.9 41.9#

89 2.5 47.9 71.9#

182 0.0 2.2 3.4#

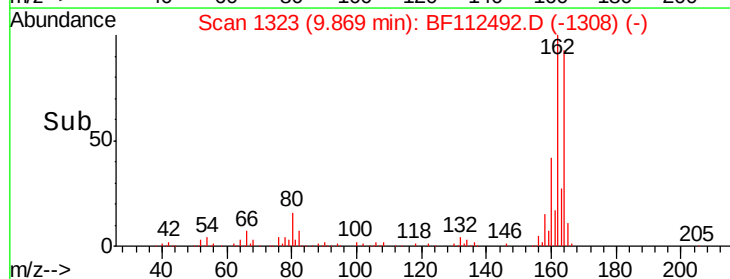
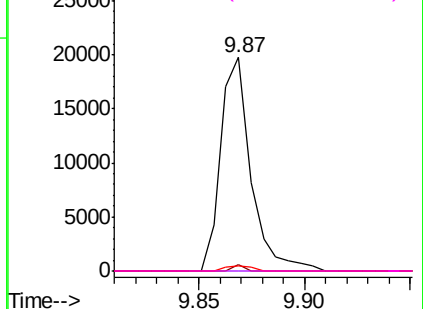


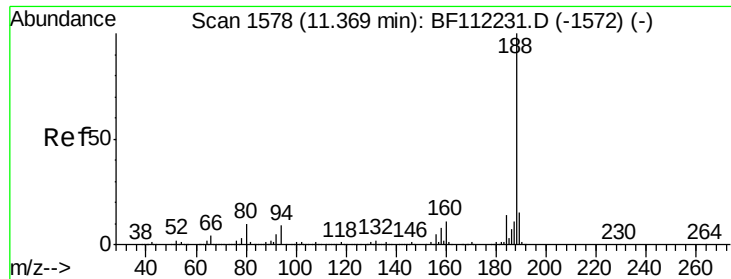
Abundance Ion 165.00 (164.70 to 165.70): E

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: BF112492.D

Acq: 11 Feb 2019 20:25

Instrument :

BNA_F

ClientSampleId :

TEST-PIT-2

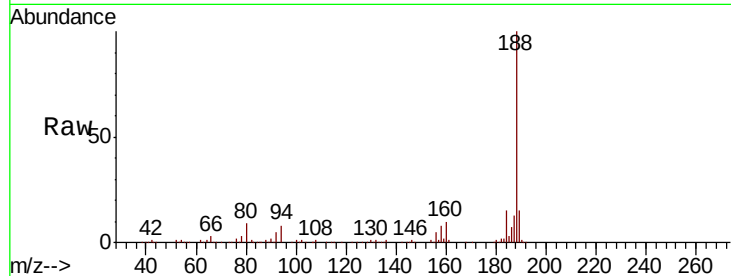
Tgt Ion:188 Resp: 290925

Ion Ratio Lower Upper

188 100

94 8.0 8.2 12.2#

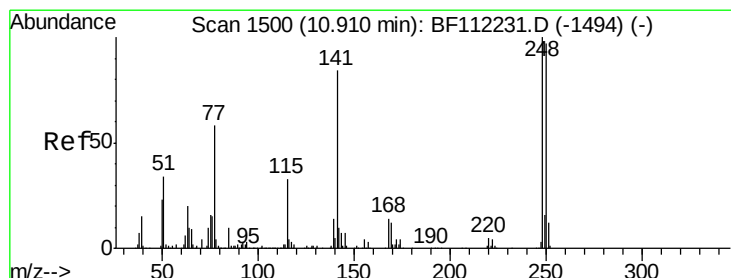
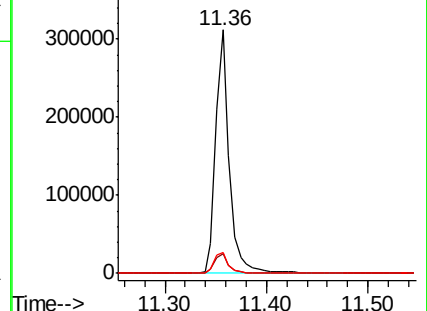
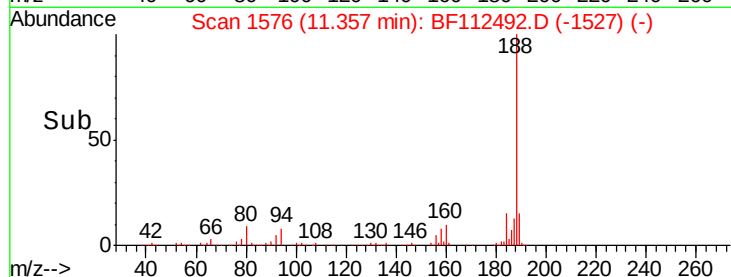
80 8.8 8.9 13.3#



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: 4.320 ng

RT: 10.66 min Scan# 1458

Delta R.T. -0.25 min

Lab File: BF112492.D

Acq: 11 Feb 2019 20:25

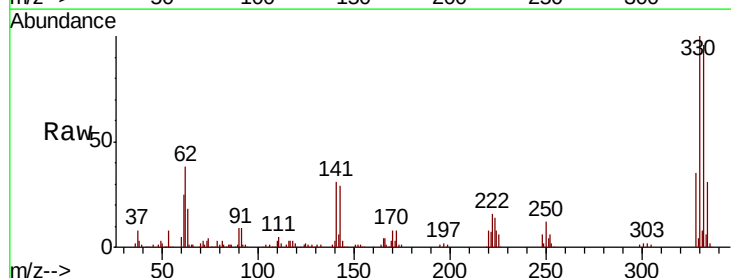
Tgt Ion:248 Resp: 14781

Ion Ratio Lower Upper

248 100

250 193.1 79.7 119.5#

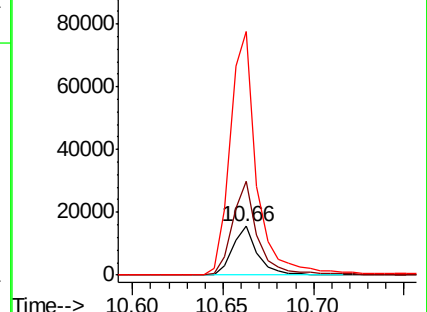
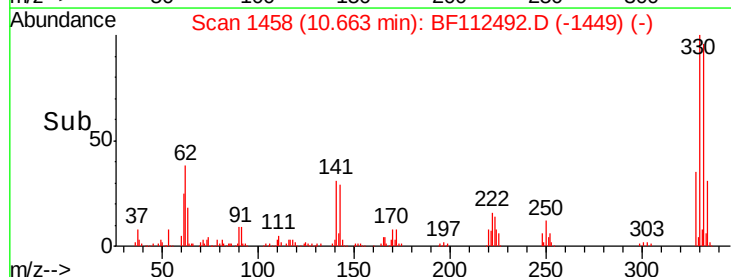
141 500.7 60.3 90.5#

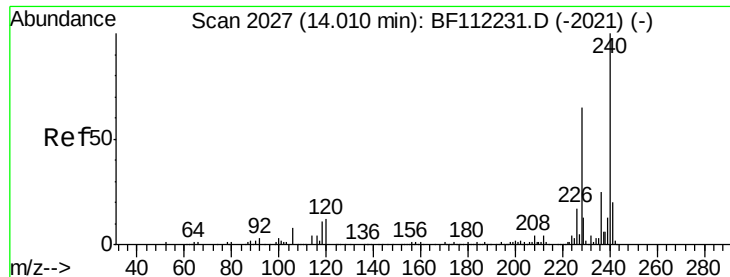


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E

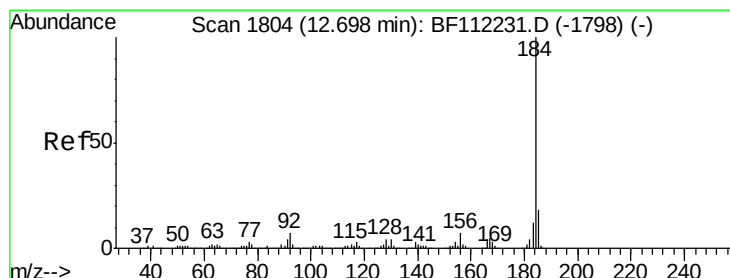
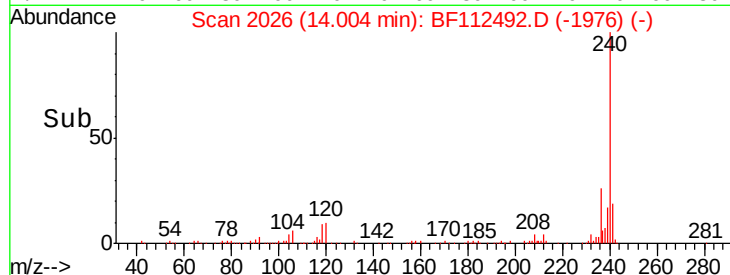
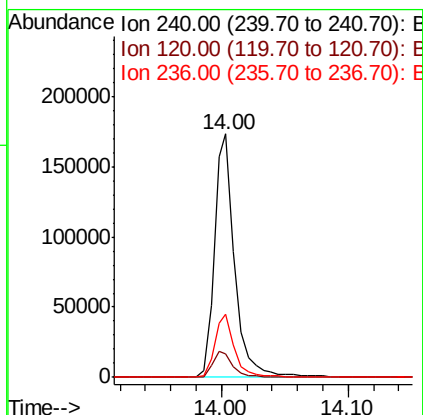
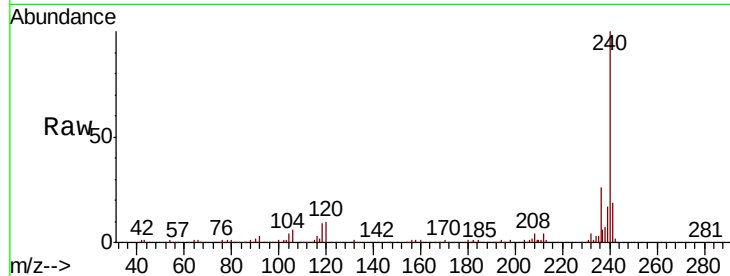




#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.00 min Scan# 2026
Delta R.T. -0.01 min
Lab File: BF112492.D
Acq: 11 Feb 2019 20:25

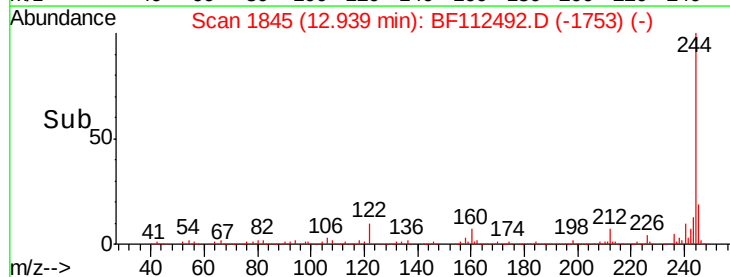
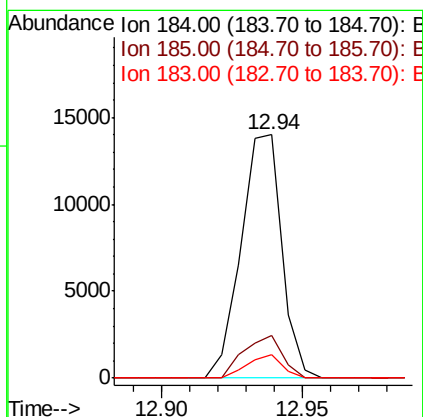
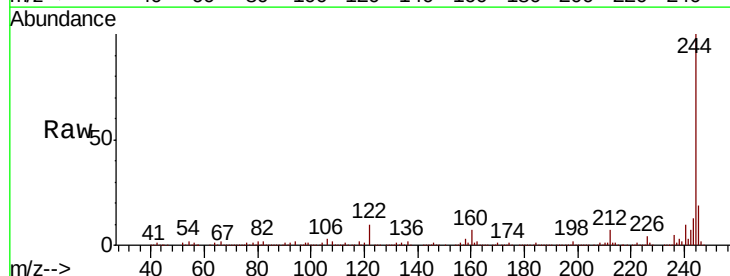
Instrument :
BNA_F
ClientSampleId :
TEST-PIT-2

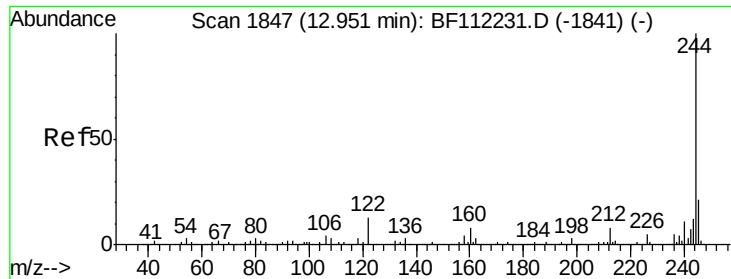
Tgt Ion:240 Resp: 194126
Ion Ratio Lower Upper
240 100
120 9.5 9.0 13.6
236 26.1 20.7 31.1



#77
Benzidine
Concen: 2.622 ng
RT: 12.94 min Scan# 1845
Delta R.T. 0.24 min
Lab File: BF112492.D
Acq: 11 Feb 2019 20:25

Tgt Ion:184 Resp: 14008
Ion Ratio Lower Upper
184 100
185 17.3 13.9 20.9
183 9.6 10.0 15.0#

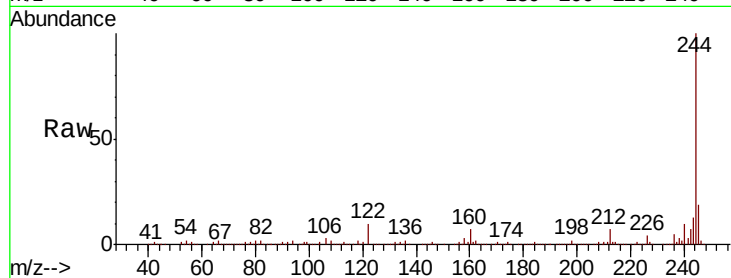




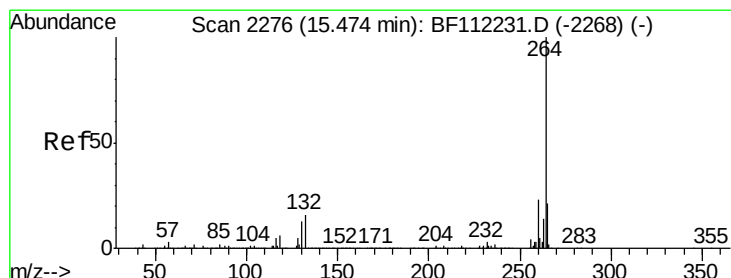
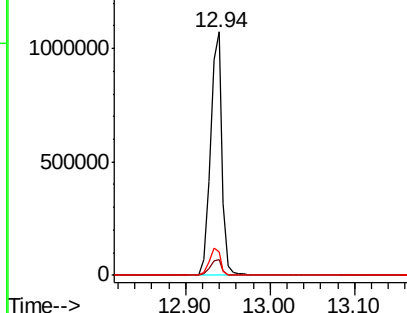
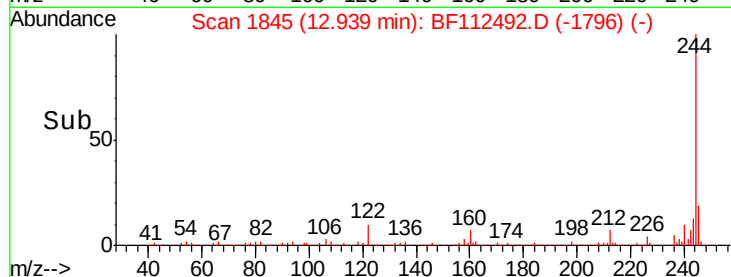
#79
 Terphenyl-d14
 Concen: 99.996 ng
 RT: 12.94 min Scan# 1845
 Delta R.T. -0.01 min
 Lab File: BF112492.D
 Acq: 11 Feb 2019 20:25

Instrument :
 BNA_F
 ClientSampled :
 TEST-PIT-2

Tgt Ion:244 Resp: 1030650
 Ion Ratio Lower Upper
 244 100
 212 6.7 5.9 8.9
 122 9.7 9.8 14.6#

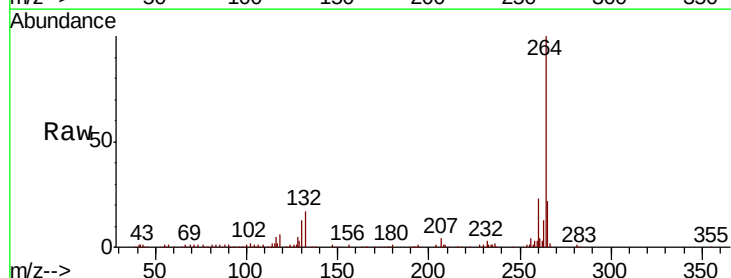


Abundance Ion 244.00 (243.70 to 244.70): E
 Ion 212.00 (211.70 to 212.70): E
 Ion 122.00 (121.70 to 122.70): E



#87
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.47 min Scan# 2276
 Delta R.T. 0.00 min
 Lab File: BF112492.D
 Acq: 11 Feb 2019 20:25

Tgt Ion:264 Resp: 190813
 Ion Ratio Lower Upper
 264 100
 260 23.3 18.2 27.2
 265 21.7 17.0 25.4



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

