

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF091420\
 Data File : BF121564.D
 Acq On : 14 Sep 2020 17:03
 Operator : JU/CG
 Sample : L3976-02
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 BSY-WC-S-SB-03

Quant Time: Sep 14 17:53:44 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF091020.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Sep 10 16:47:54 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.83	152	189555	20.00	ng	0.00
21) Naphthalene-d8	8.12	136	745006	20.00	ng	0.00
39) Acenaphthene-d10	9.87	164	392511	20.00	ng	0.00
64) Phenanthrene-d10	11.35	188	720322	20.00	ng	0.00
76) Chrysene-d12	13.99	240	537953	20.00	ng	0.00
86) Perylene-d12	15.44	264	433395	20.00	ng	0.00

System Monitoring Compounds

5) 2-Fluorophenol	5.48	112	1177704	92.33	ng	0.04
7) Phenol-d6	6.48	99	1394906	83.36	ng	0.02
23) Nitrobenzene-d5	7.40	82	1103511	79.53	ng	0.00
42) 2,4,6-Tribromophenol	10.66	330	515530	105.68	ng	0.00
45) 2-Fluorobiphenyl	9.19	172	1896070	73.16	ng	0.00
79) Terphenyl-d14	12.94	244	2107150	79.35	ng	0.00

Target Compounds

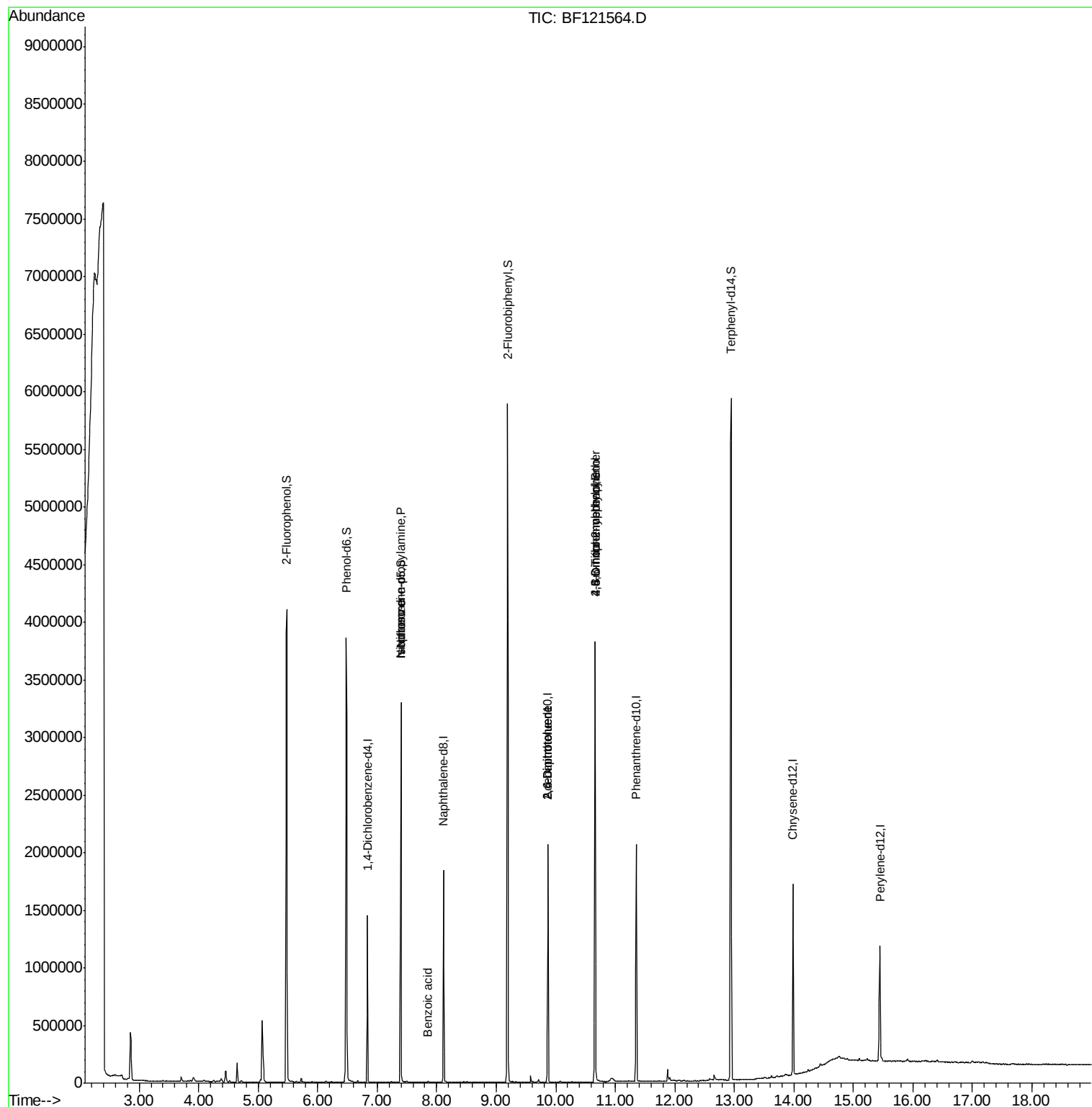
						Qvalue
19) n-Nitroso-di-n-propylamine	7.40	70	149203	15.471	ng	# 79
25) Isophorone	7.40	82	1098145	39.315	ng	# 66
32) Benzoic acid	7.85	122	926	7.021	ng	97
51) 2,6-Dinitrotoluene	9.87	165	49792	8.218	ng	# 28
57) 2,4-Dinitrotoluene	9.87	165	49792	6.533	ng	# 23
65) 4,6-Dinitro-2-methylphenol	10.66	198	816	7.010	ng	# 1
67) 4-Bromophenyl-phenylether	10.66	248	30339	3.699	ng	# 1

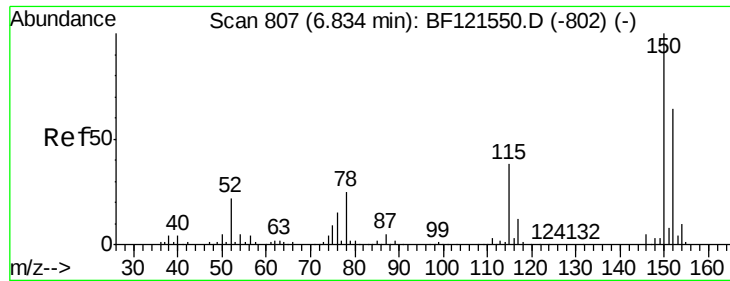
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF091020.M
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QLast Update : Thu Sep 10 16:47:54 2020
Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 20.000 ng

RT: 6.83 min Scan# 807

Delta R.T. -0.00 min

Lab File: BF121564.D

Acq: 14 Sep 2020 17:03

Instrument :

BNA_F

ClientSampleId :

BSY-WC-S-SB-03

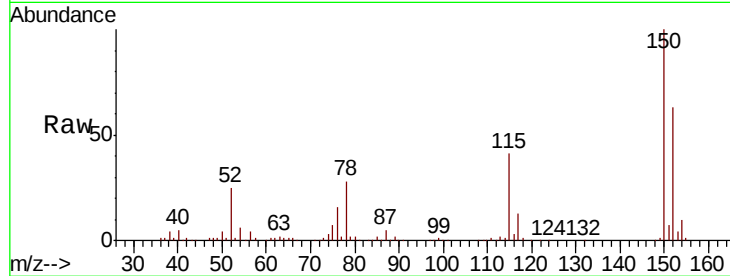
Tot Ion:152 Resp: 189555

Ion Ratio Lower Upper

152 100

150 158.9 125.8 188.6

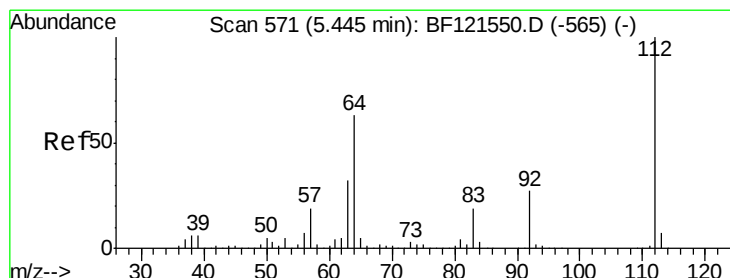
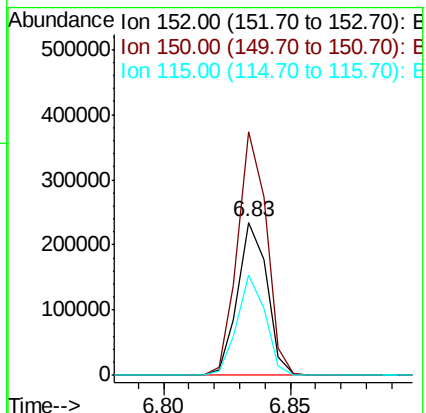
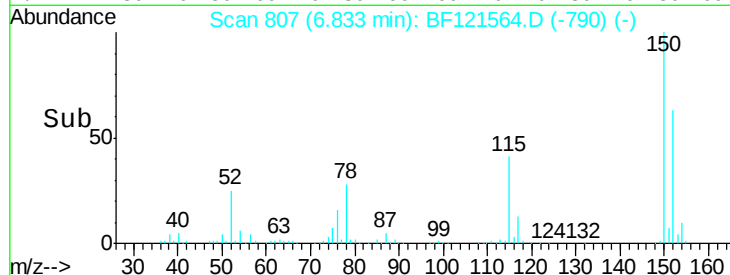
115 65.8 47.8 71.8



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: 92.333 ng

RT: 5.48 min Scan# 577

Delta R.T. 0.04 min

Lab File: BF121564.D

Acq: 14 Sep 2020 17:03

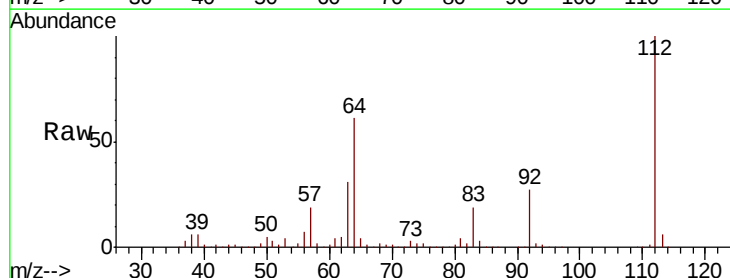
Tgt Ion:112 Resp: 1177704

Ion Ratio Lower Upper

112 100

64 61.1 50.3 75.5

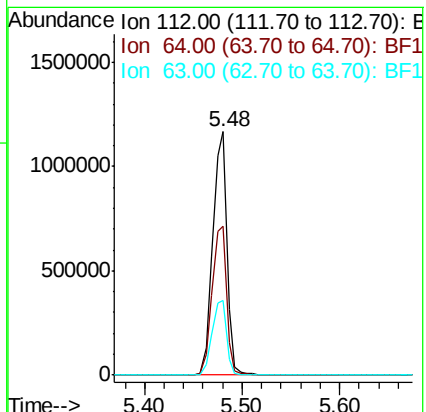
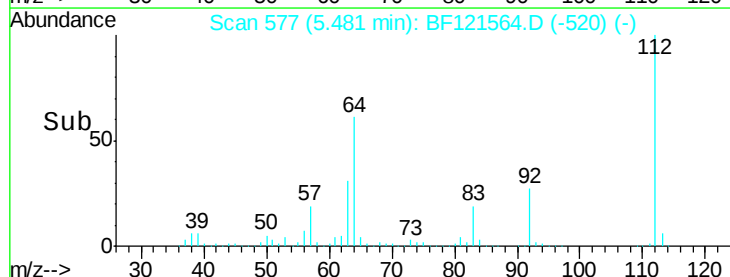
63 30.6 25.6 38.4



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: 83.359 ng

RT: 6.48 min Scan# 747

Delta R.T. 0.02 min

Lab File: BF121564.D

Acq: 14 Sep 2020 17:03

Instrument :

BNA_F

ClientSampleId :

BSY-WC-S-SB-03

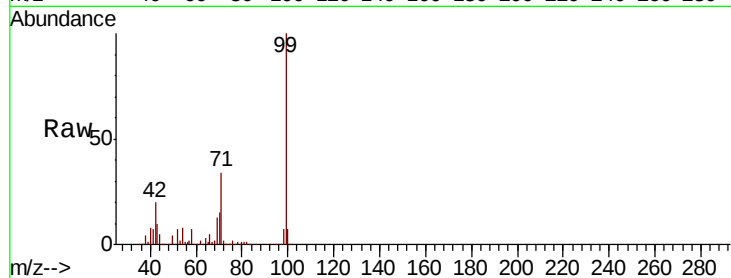
Tot Ion: 99 Resp: 1394906

Ion Ratio Lower Upper

99 100

42 20.0 15.5 23.3

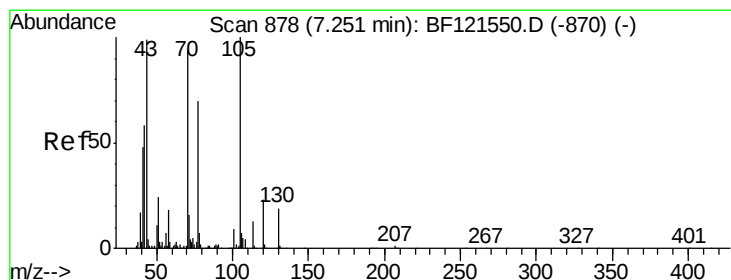
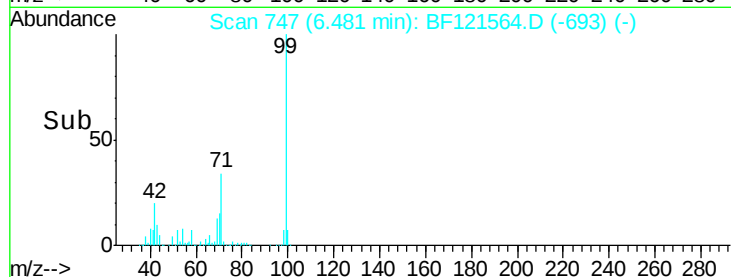
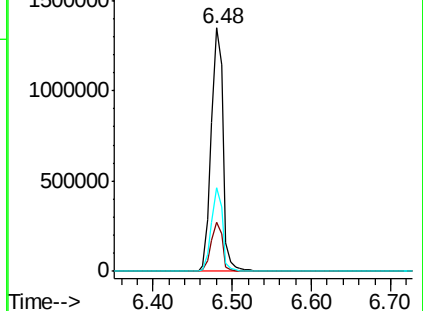
71 34.2 26.1 39.1



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: 15.471 ng

RT: 7.40 min Scan# 903

Delta R.T. 0.15 min

Lab File: BF121564.D

Acq: 14 Sep 2020 17:03

Tgt Ion: 70 Resp: 149203

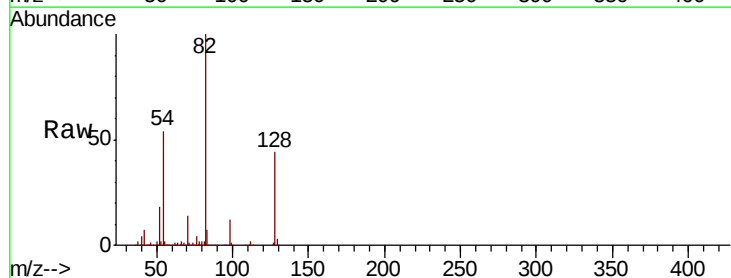
Ion Ratio Lower Upper

70 100

42 51.4 49.4 74.2

101 0.0 7.6 11.4#

130 2.1 16.2 24.4#

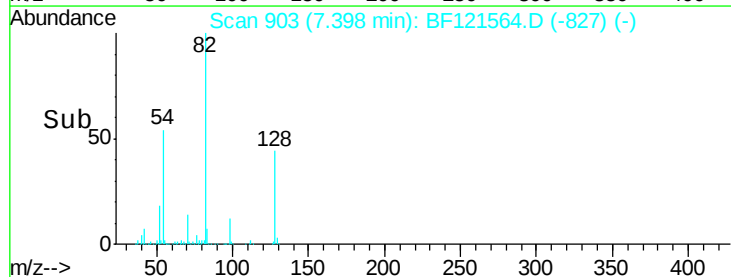
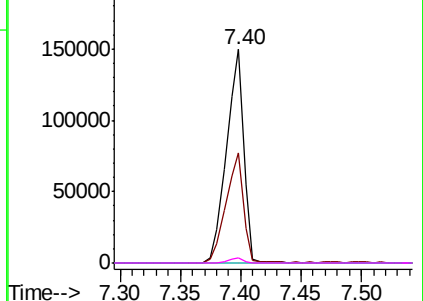


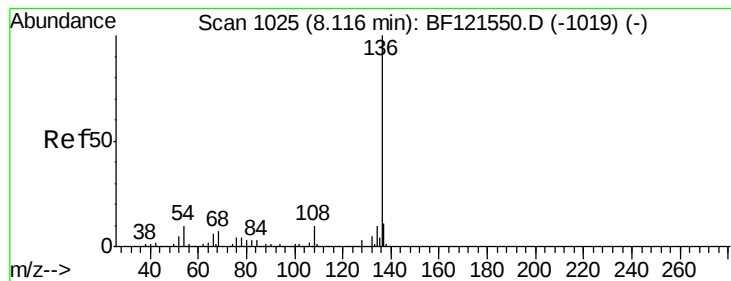
Abundance Ion 70.00 (69.70 to 70.70): BF1

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. -0.00 min

Lab File: BF121564.D

Acq: 14 Sep 2020 17:03

Instrument :

BNA_F

ClientSampleId :

BSY-WC-S-SB-03

Tot Ion:136 Resp: 745006

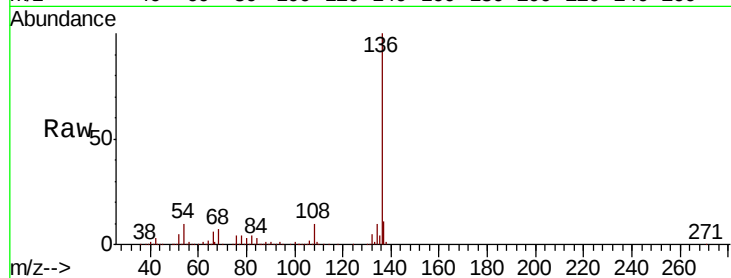
Ion Ratio Lower Upper

136 100

137 11.3 9.0 13.6

54 9.8 7.6 11.4

68 7.2 5.7 8.5

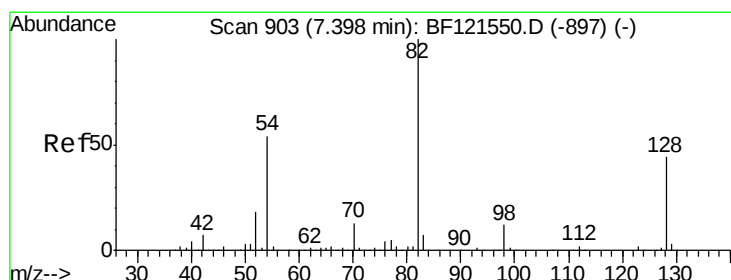
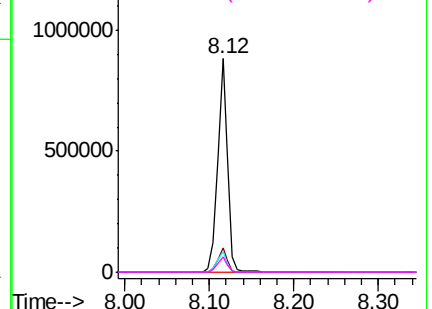
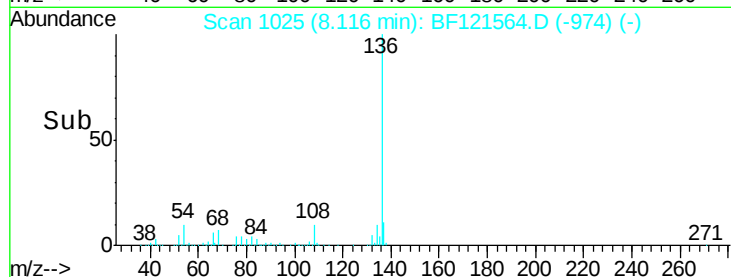


Abundance Ion 136.00 (135.70 to 136.70): E

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: 79.529 ng

RT: 7.40 min Scan# 903

Delta R.T. -0.00 min

Lab File: BF121564.D

Acq: 14 Sep 2020 17:03

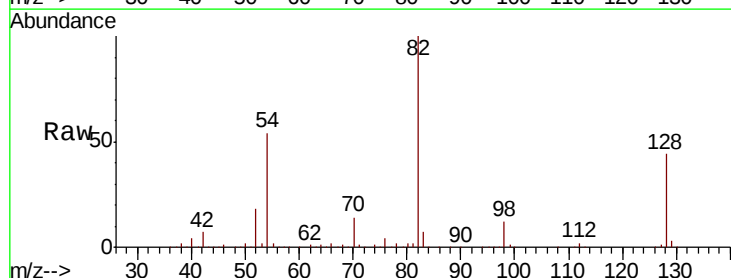
Tgt Ion: 82 Resp: 1103511

Ion Ratio Lower Upper

82 100

128 44.0 35.1 52.7

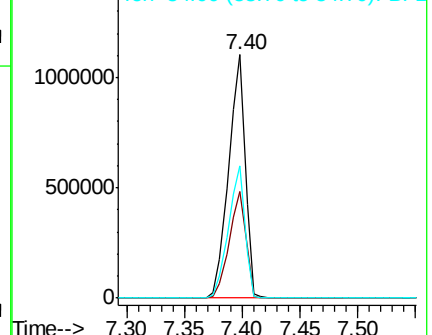
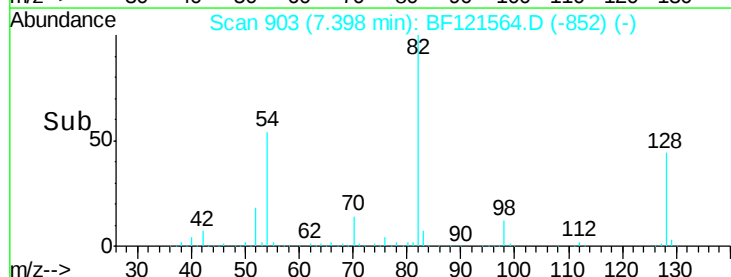
54 54.2 43.0 64.6



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: 39.315 ng

RT: 7.40 min Scan# 903

Delta R.T. -0.26 min

Lab File: BF121564.D

Acq: 14 Sep 2020 17:03

Instrument :

BNA_F

ClientSampleId :

BSY-WC-S-SB-03

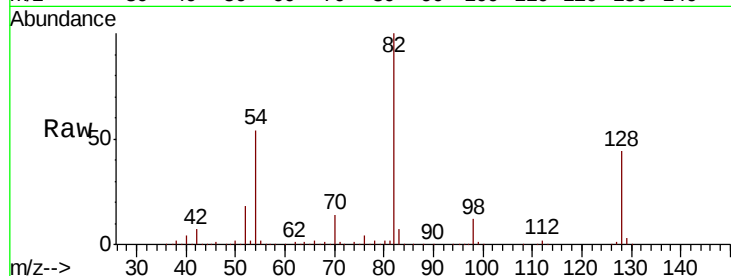
Tot Ion: 82 Resp: 1098145

Ion Ratio Lower Upper

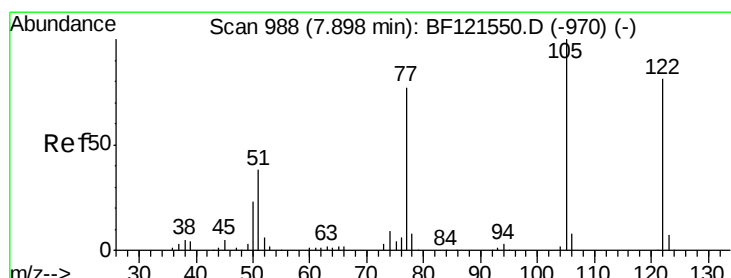
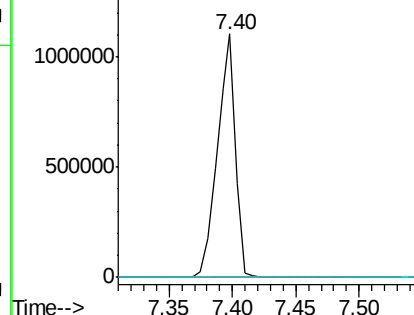
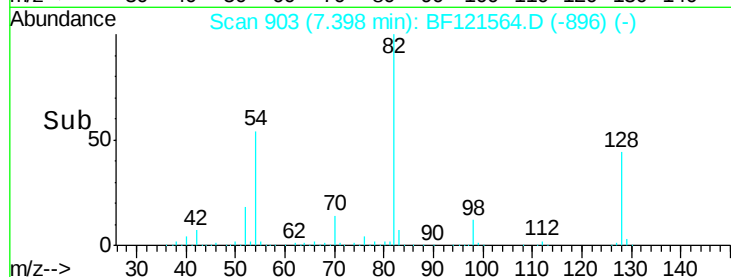
82 100

95 0.0 5.3 7.9#

138 0.0 13.7 20.5#



Abundance Ion 82.00 (81.70 to 82.70): BF1
1500000
Ion 95.00 (94.70 to 95.70): BF1
Ion 138.00 (137.70 to 138.70): BF1



#32

Benzoic acid

Concen: 7.021 ng

RT: 7.85 min Scan# 979

Delta R.T. -0.05 min

Lab File: BF121564.D

Acq: 14 Sep 2020 17:03

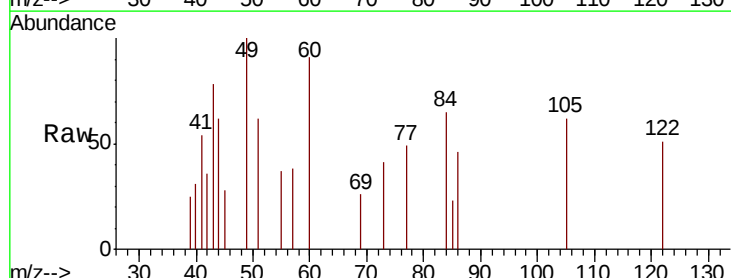
Tgt Ion: 122 Resp: 926

Ion Ratio Lower Upper

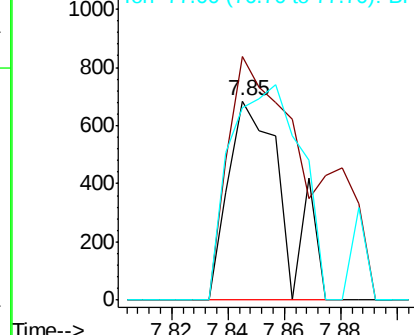
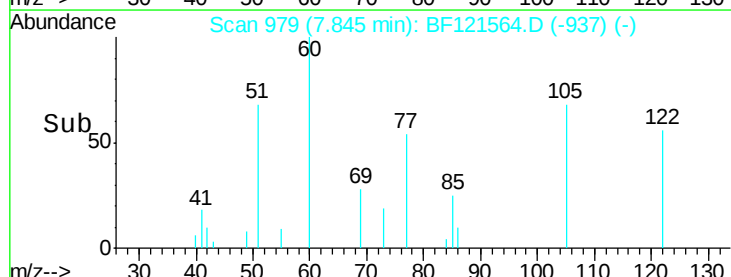
122 100

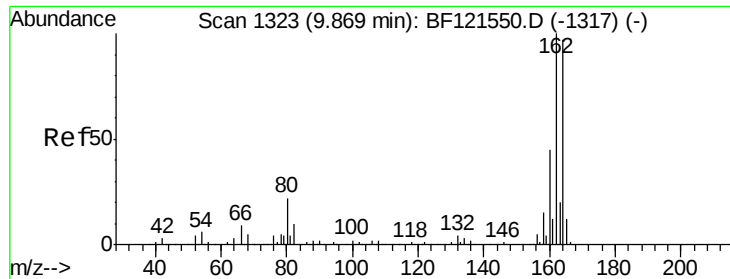
105 122.2 100.5 140.5

77 96.6 72.6 112.6



Abundance Ion 122.00 (121.70 to 122.70): E
Ion 105.00 (104.70 to 105.70): E
Ion 77.00 (76.70 to 77.70): BF1

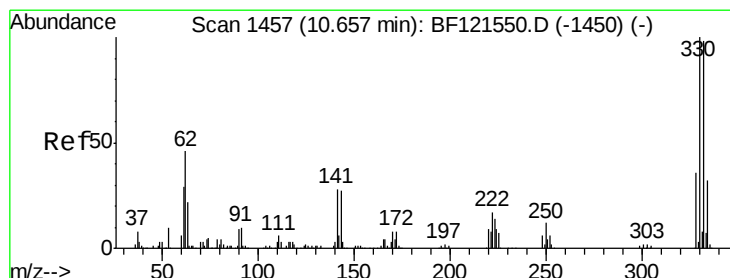
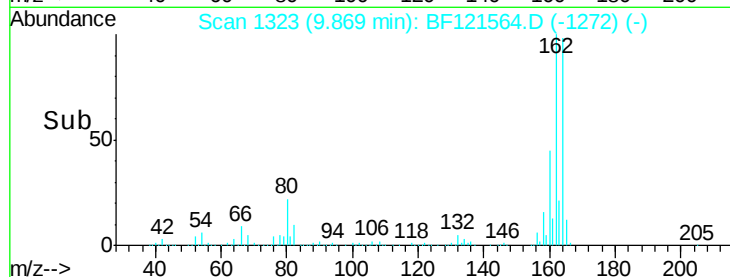
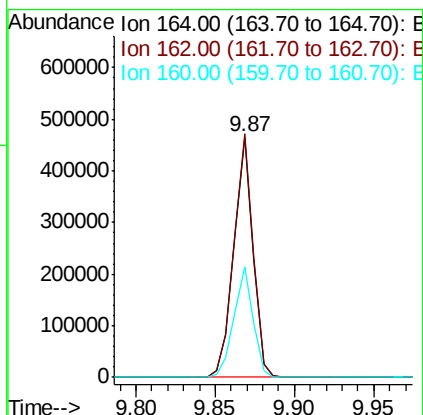
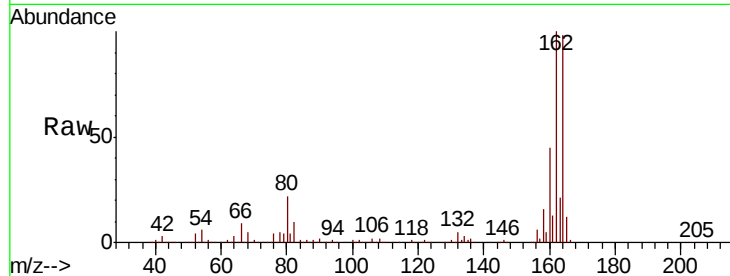




#39
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.87 min Scan# 1323
 Delta R.T. -0.00 min
 Lab File: BF121564.D
 Acq: 14 Sep 2020 17:03

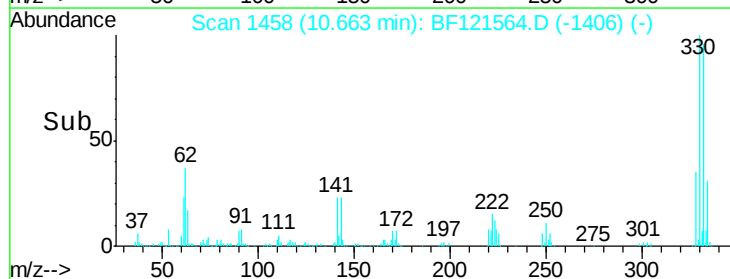
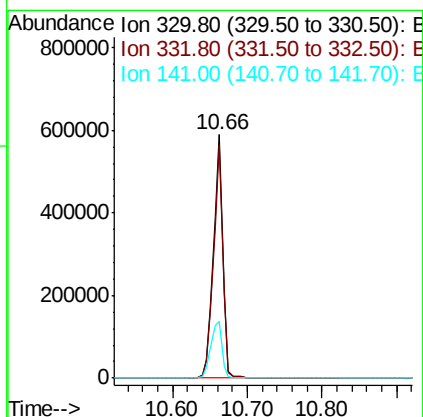
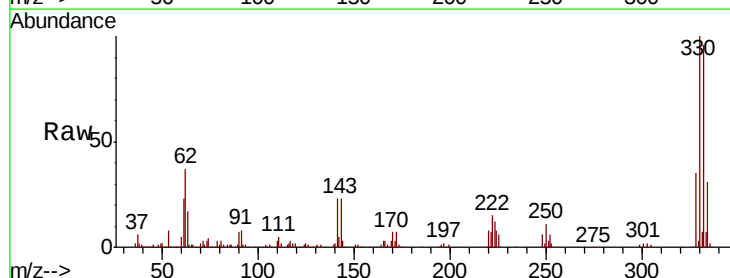
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 BSY-WC-S-SB-03

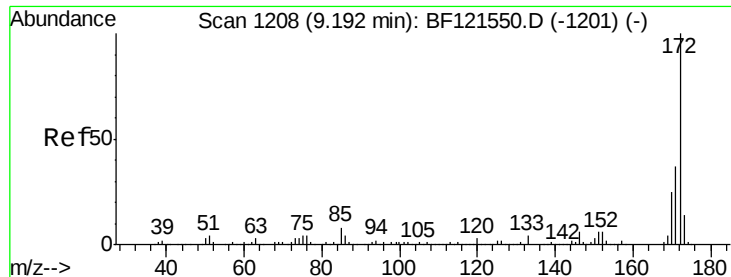
Tot Ion	Ratio	Lower	Upper
164	100		
162	101.6	82.3	123.5
160	46.0	37.0	55.4



#42
 2,4,6-Tribromophenol
 Concen: 105.676 ng
 RT: 10.66 min Scan# 1458
 Delta R.T. 0.01 min
 Lab File: BF121564.D
 Acq: 14 Sep 2020 17:03

Tgt Ion	Ratio	Lower	Upper
330	100		
332	95.2	77.1	115.7
141	27.9	23.6	35.4

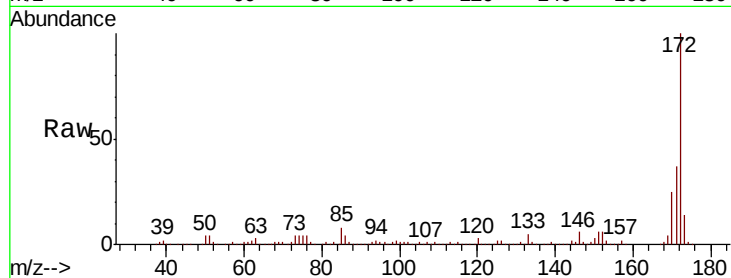




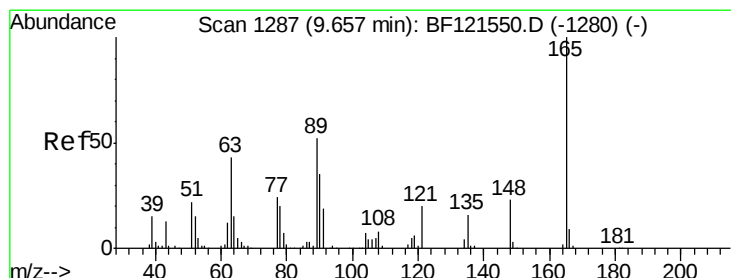
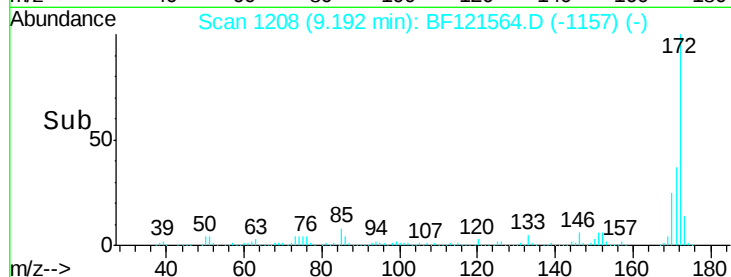
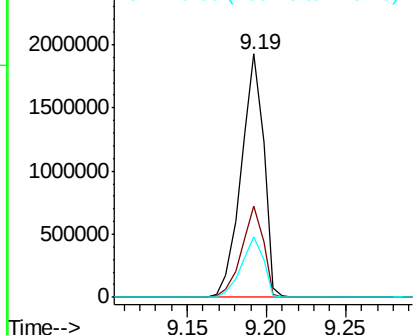
#45
2-Fluorobiphenyl
Concen: 73.161 ng
RT: 9.19 min Scan# 1208
Delta R.T. -0.00 min
Lab File: BF121564.D
Acq: 14 Sep 2020 17:03

Instrument :
BNA_F
ClientSampleId :
BSY-WC-S-SB-03

Tot Ion:172 Resp: 1896070
Ion Ratio Lower Upper
172 100
171 37.3 29.8 44.6
170 25.0 19.8 29.8

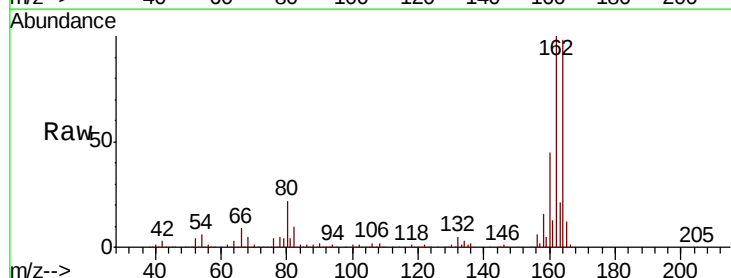


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

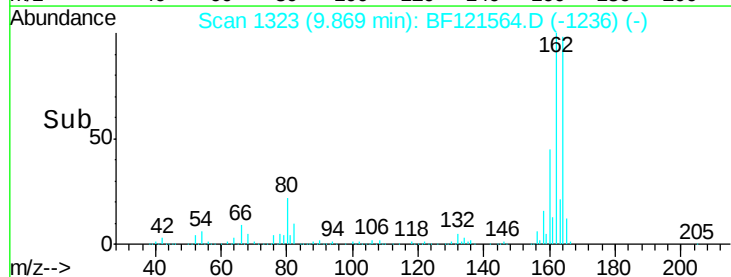
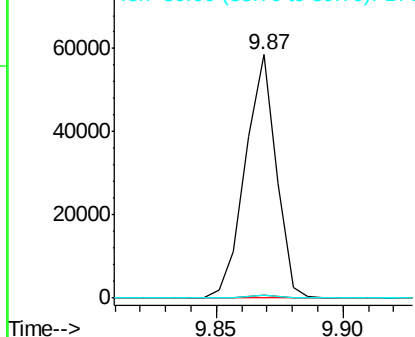


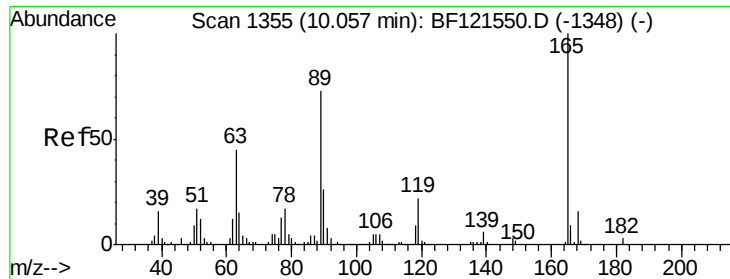
#51
2,6-Dinitrotoluene
Concen: 8.218 ng
RT: 9.87 min Scan# 1323
Delta R.T. 0.21 min
Lab File: BF121564.D
Acq: 14 Sep 2020 17:03

Tgt Ion:165 Resp: 49792
Ion Ratio Lower Upper
165 100
63 1.0 40.6 61.0#
89 1.1 41.8 62.8#



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

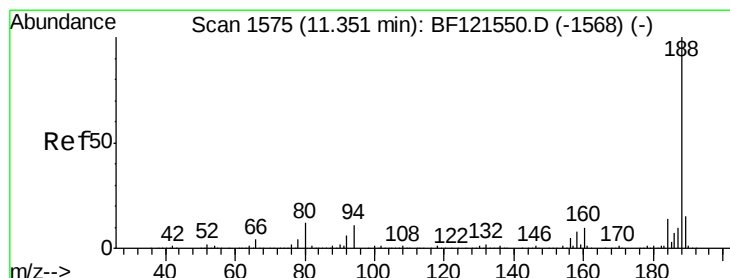
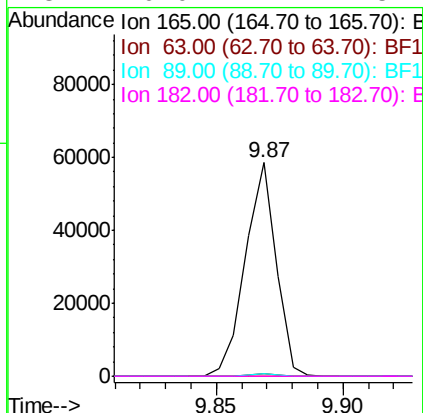
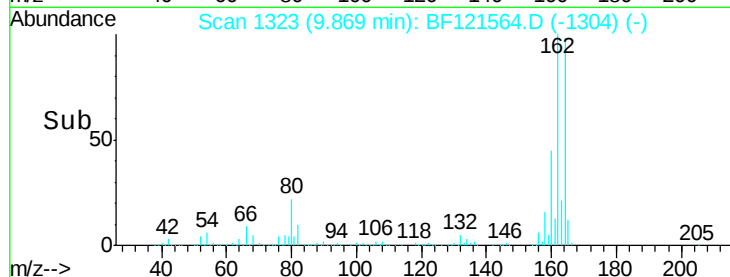
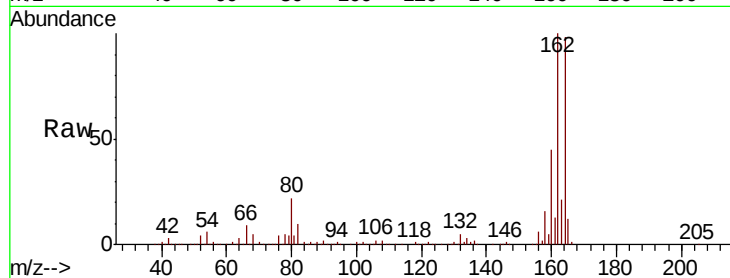




#57
 2,4-Dinitrotoluene
 Concen: 6.533 ng
 RT: 9.87 min Scan# 1323
 Delta R.T. -0.19 min
 Lab File: BF121564.D
 Acq: 14 Sep 2020 17:03

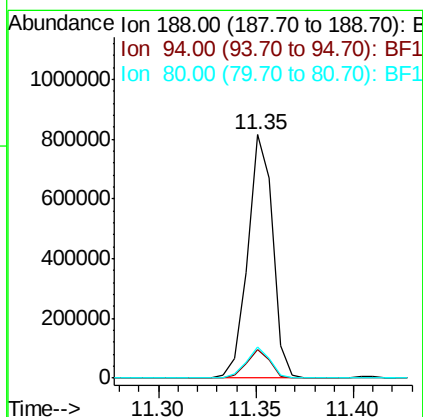
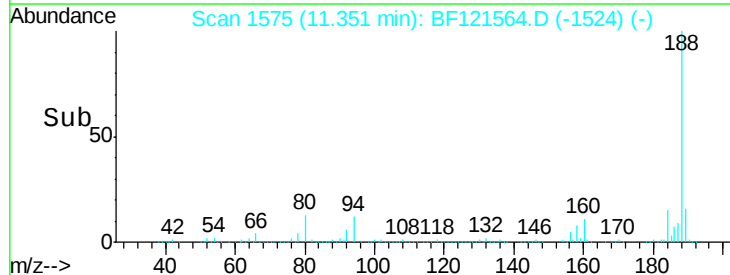
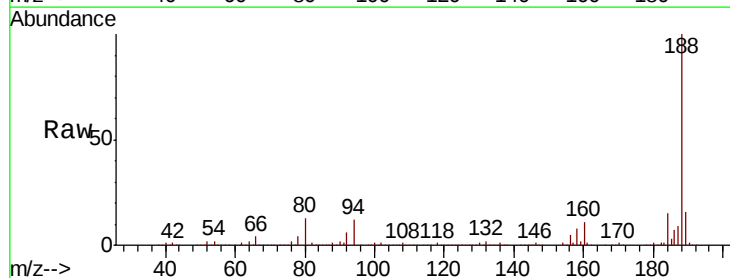
Instrument :
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 BSY-WC-S-SB-03

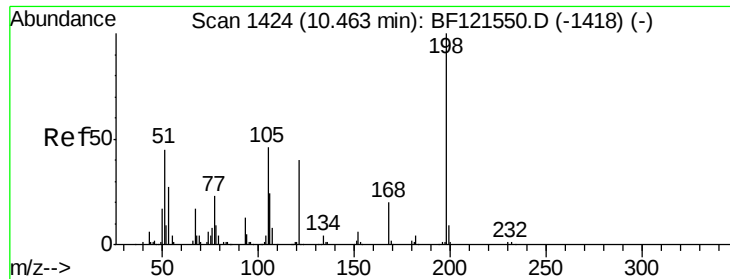
Tot Ion:165 Resp: 49792
 Ion Ratio Lower Upper
 165 100
 63 1.0 36.2 54.4#
 89 1.1 58.2 87.4#
 182 0.0 2.2 3.2#



#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.35 min Scan# 1575
 Delta R.T. -0.00 min
 Lab File: BF121564.D
 Acq: 14 Sep 2020 17:03

Tgt Ion:188 Resp: 720322
 Ion Ratio Lower Upper
 188 100
 94 11.5 8.7 13.1
 80 12.8 9.3 13.9





#65

4,6-Dinitro-2-methylphenol

Concen: 7.010 ng

RT: 10.66 min Scan# 1457

Delta R.T. 0.19 min

Lab File: BF121564.D

Acq: 14 Sep 2020 17:03

Instrument :

BNA_F

ClientSampleId :

BSY-WC-S-SB-03

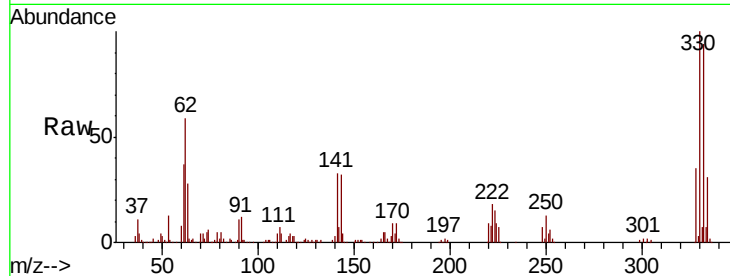
Tot Ion:198 Resp: 816

Ion Ratio Lower Upper

198 100

51 225.6 31.1 71.1#

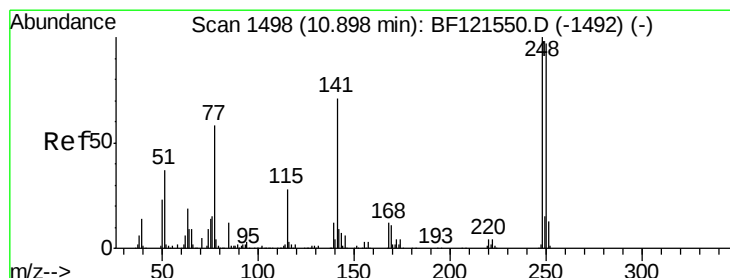
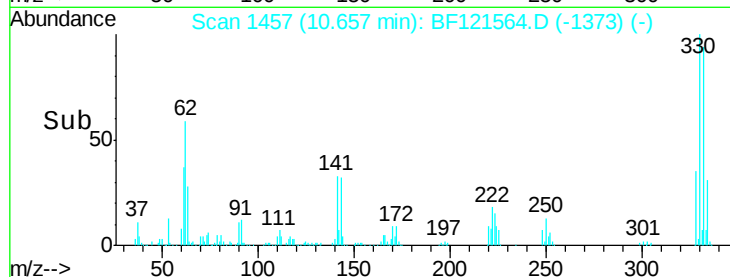
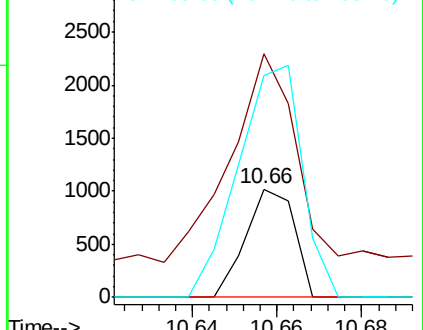
105 205.0 26.6 66.6#



Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BF1

Ion 105.00 (104.70 to 105.70): E



#67

4-Bromophenyl-phenylether

Concen: 3.699 ng

RT: 10.66 min Scan# 1458

Delta R.T. -0.24 min

Lab File: BF121564.D

Acq: 14 Sep 2020 17:03

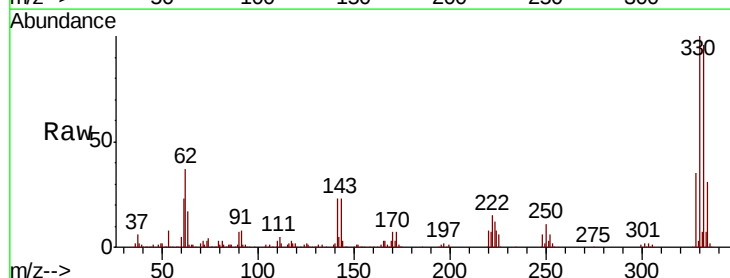
Tgt Ion:248 Resp: 30339

Ion Ratio Lower Upper

248 100

250 198.7 77.4 116.0#

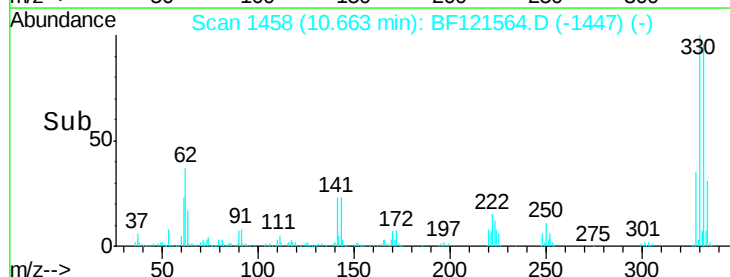
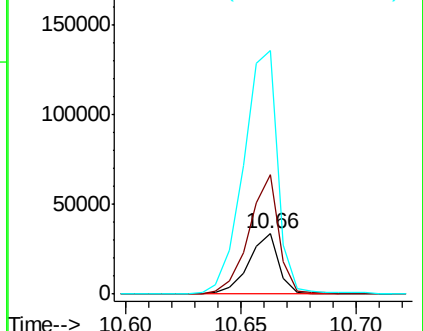
141 405.2 56.7 85.1#

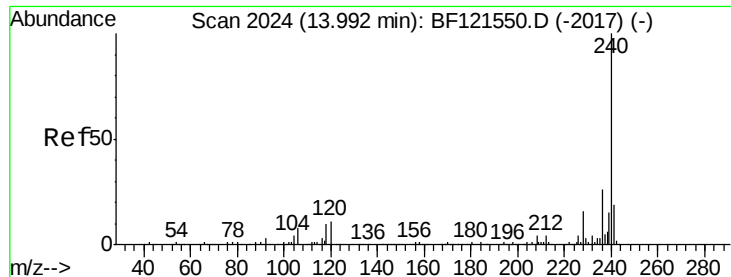


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E

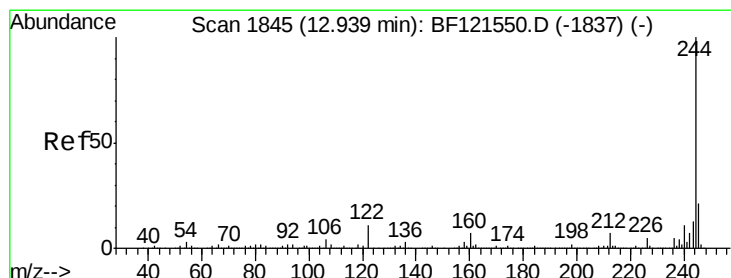
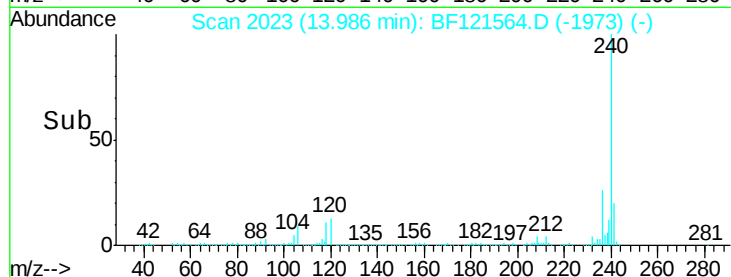
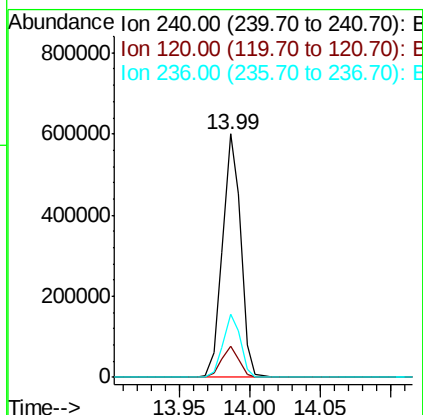
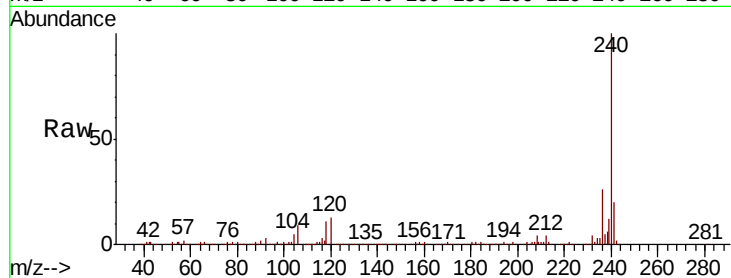




#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.99 min Scan# 2023
Delta R.T. -0.01 min
Lab File: BF121564.D
Acq: 14 Sep 2020 17:03

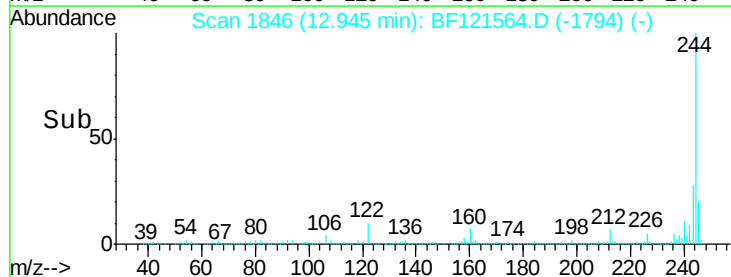
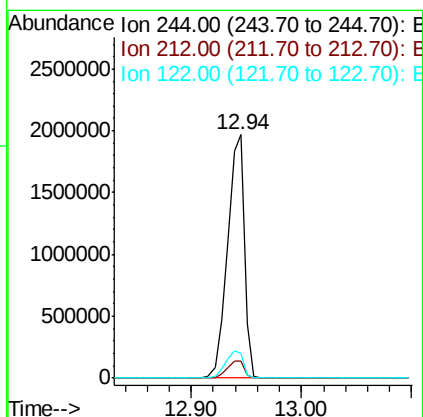
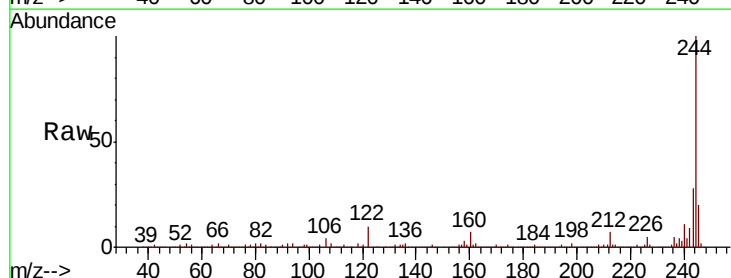
Instrument :
BNA_F
ClientSampleId :
BSY-WC-S-SB-03

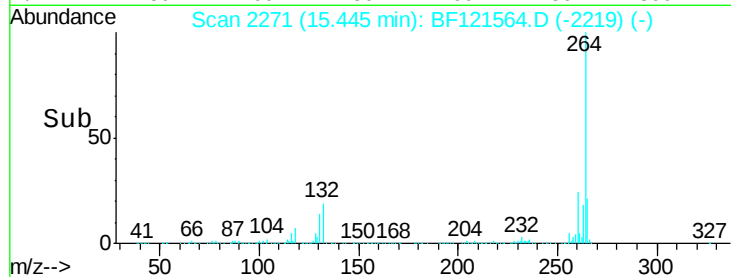
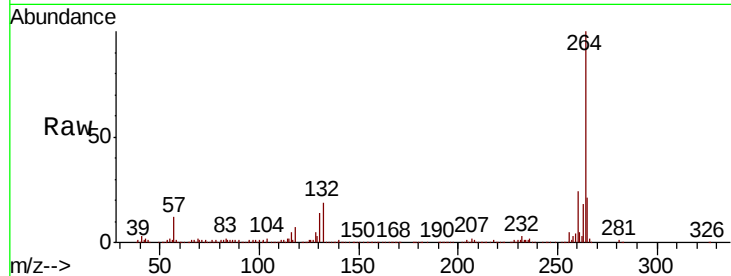
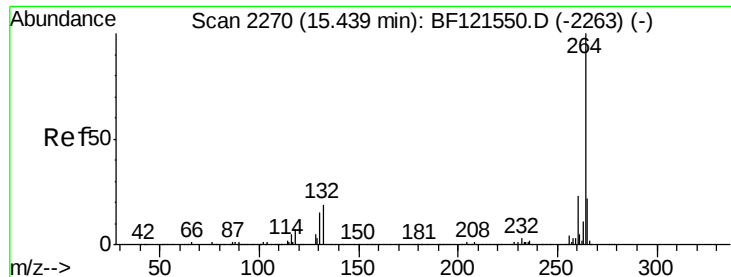
Tot Ion:240 Resp: 537953
Ion Ratio Lower Upper
240 100
120 12.9 9.2 13.8
236 25.9 20.5 30.7



#79
Terphenyl-d14
Concen: 79.354 ng
RT: 12.94 min Scan# 1846
Delta R.T. 0.01 min
Lab File: BF121564.D
Acq: 14 Sep 2020 17:03

Tgt Ion:244 Resp: 2107150
Ion Ratio Lower Upper
244 100
212 7.0 5.7 8.5
122 10.1 8.7 13.1





#86
Pervlene-d12
Concen: 20.000 ng
RT: 15.44 min Scan# 2271
Delta R.T. 0.01 min
Lab File: BF121564.D
Acq: 14 Sep 2020 17:03

Instrument :
BNA_F
ClientSampleId :
BSY-WC-S-SB-03

Tot Ion	Ratio	Lower	Upper
264	100		
260	23.6	18.8	28.2
265	20.9	17.8	26.6

